U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

CONTENTS

Generation	Cross or Variety	Cross No.	No. Sels.	Row Nos.
selections from varieties	Acadia		1	2006
			1	2846
	Blue Rose (Early selections)		45	2043
	(Late selections)		6	2744
			35	2752
	Total 69		24	2792
	~~Total 114~~		4	2825
	Bruinmissie		4	2789
	Edith		1	2098
	Early Prolific		5	2001
			34	2007
	Fortuna (Taman Sels.)		2	3804
	Guidry (From Crowley, La.)		3	3801
	~~Kamrose (See 2912A)~~			
	Mammoth Long		4	2094
			1	2099
	Nira		1	3799
	Rexoro		1	3813
	Shiro Beniya		1	2104
	Shoemed		1	2101
	Texas Patna (See 324A)			
	Zenith		5	2354
F_{14}	Delitus x Caloto	2910A	23	3957
F_{14}	Kameji x Honduras	2911A	11	2955
F_{14} -	Kameji x Blue Rose	2912A	1	2103
			8	3064
F_{14} -	Colusa x Blue Rose	2913A	9	2105
			2	2121
F_{14} -	Edith x Blue Rose	2916A	6	2114
F_{12} -	Rexoro x Delitus	321A	6	3806
			3	3814
F_{12} -	Rexoro x T. Fortuna	322A	1	3812
			1	3818
F_{12} -	Rexoro x Sup. Blue Rose	323A	6	3819
F_{12} -	Rexoro x C.I.5094 (~~mostly Texas Patna sels.~~)	324A	8	3781
			1	3827
			19	3829
F_{10} -	CI-7482 x CI-5094	337A	1	2102
			2	2750
F_{10} -	Rexoro x CI-7689	3313A	7	3789
F_{10} -	CI-7689 x Colusa	3314A	2	3796
F_{10} -	C.I.7689 x Fortuna	3318A	1	3798
	CI-5309 x Blue Rose	34A	5	2818

Generation	Cross	Cross No.	No. Sels.	Row Nos.
F9	- CI-1645 x CI-5309	34H	1	2824
F9	- Caloro x Fortuna	341A	2 3	2844 3909
F9	- Nira x Kameji	343A	8	3912
F9	- Caloro x Kameji	344A	5	3921
F9	- CI-81C x Kameji	345A	2	3926
F9	- Shoemed x Nira	346A	10	3739
F9	- Rexoro x Nira	347A	29 1	3750 3928
F9	- Caloro x Nira	348A	5	3929
F9	- Shoemed x Caloro	3411A	5	3934
F9	- Caloro x Rexoro	3412A	4	3939
F9	- Nira x TS-7190	3416A	2	3944
F8	- CI-3212 x Blue Rose	3421A	3	3946
F8	- CI-5398 x Blue Rose	35X	1	3077
F8	- Kameji x Shoemed	351A	1 17	3817 3949
F8&9	- Kameji x Rexoro	352A	30	3849
F8	- Kameji x CI-7143	353A	1	3881
F8	- Sup.Blue Rose x CI-7143	354A	12	3882
F8	- Storm Proof x CI-7143	357A	7	3894
F8	- Kameji x CI-4700	358A	2	3902
F8	- (ExF) x CI-4700	359A	1	3904
F8	- (SPxSJ) x SUp.Blue Rose	3512A	1 5	3148 3905
F6	-B2920A9(IBRxF)x Shoemed	376A	29	3674
F5	-(B2911A18(KxH) x B314A8(SPxSJ)	379A	18	3121
F6	-(B2911A18(KxH)xBlue Rose	3710A	6	2967
F6	-(B2911A18(KxH)xBlue Rose)	3712A	10	2973
F4	- Shoemed x Rexoro	3713A	33	3705
F6	-[B3512A(SPxSJ)xSBR] x Sup.Bl.R.	3715A	8 18	3139 3149
F6	- Fortuna x Blue Rose (Early (Early) (Late)	3722A	1 49 37	2176 2623 3177
F7	-F1(COxCub.)x Blue Rose	3723B	18	2704
F7	- F1(COxCub.) x Blue Rose	3725B	3	2723
F7	- F1(CO x Cub.) x C	3726B	1	2726
F5	- CI-4700 x Rexoro	3747A	9	3991
F5	- Blue Rose x Zenith	381C	5	~~3168~~
F5	- Blue Rose x CI-4440	383B	1 4	2743 3173
F5	- F_1(DxR) x F_1(Cdy x BR)	386A	5 1	2674 2849

Contents, (continued)

Generation	Cross			
F_5 -	F_1(S x EP) x F_1(CA x Cdy)	3810A	19	2679
F_6 -	(CI-1645 x CI-5309) x Al-11(SxF)	3812A	4	2699
F_4 -	(B314A8(SPxSJ)x34A(CI-5309xBR)	394A	1	4001
F_4-	B314A(SPxSJ) x B3715,Nira	395A	4	4002
F_4-	B314A8(SPxSJ)xB321A2-8(RxD)	396A	1 1	4006 4011
F_4 -	B314A8(SPxSJ) x B391(RxD)	398A	1	4008
F_4 -	B314A8(SPxSJ) x Blue Rose-41	399A	5	4012
F_4 -	B314A8(SPxSJ)xB2920A9(IBRxF)	3919A	1 2	4007 4009
F_4 -	Arkrose x (B283A3-5(ExF)	3916A	8	4017
F_4 -	F_1(COxCub.)x Unknown	3940C	4	2727
F_4 -	F_1(COxCub.) x (IBRxF)	3941A	4	2731
F_4 -	F_1(COxCub.) x B314A(SPxSJ)	3942A	7	2735
F_4 -	Blue Rose-41 x B2913A29(COxBR)	401A		
	Early		51	2123
	Early		12	2177
	Late		40	2857
	~~F_3 selections~~		51	2190
F_4 -	Blue Rose-41 x Colusa	403A	4	2244
F_4 -	Blue Rose-41 x Early Prolific	404A		
	Early		65	2248
	Late		39	2899
	~~F_3 selections~~		36	2316
F_4 -	B2912A13(KxBR)xBl.Rose-41	4015A	27	3031
F_4 -	Kamrose-47 x Blue Rose-41	4016A	45 1	2984 3059
F_4 -	Arkrose x Blue Rose-41	4017A	3	3061
F_3 -	Storm Proof x B2912A13(KxBR)	4019A	13	3078
F_3 -	B321A2-8(RxD)xB3313A1-4(Rx7689)	4022A	35	3216
F_3-	B3313A1-16(Rx7689)xB3313A1-4(Rx7689)	4025A	38	3253
F_3-	B3313A1-16(Rx7689)xRexoro	4026A	33	3327
F_3 -	B323A5(RxSBR) x Rexoro	4027A	15	3412
F_3-	B3313A1-4(Rx7689)xTexas Patna	4030A	32	3293
F_3-	Texas Patna x B323A5(RxSBR)	4031A	32	3428
F_3-	Texas Patna x B321A2-8(RxD)	4032A	57	3462
F_3-	Texas Patna x B3313A1-16(Rx7689)	4033A	48	3362
F_3-	Texas Patna x B321A2-5(RxD)	4034A	35	3554
F_3-	Texas Patna x Rexoro	4035A	45	3627

Generation			
F3-B321A2-5(RxD)xRexoro	4036A	15	3591
F3-B2920A9(IBRxF)xB2912A13(KxBR)	4040D	12	3092
F3-B321A2-5(RxD)xTexas Patna	4041A	19	3607
F3-Rexoro x B321A2-8(RxD)	4042A	31	3522
F3-B323A2-8(RxSBR)xBlue Rose	4044A	5	2941
F3-B323A2-8(RxSBR)xBlue Rose-41	4045A	9	2946
F3-B2920A9(IBRxF)xBlue Rose-41	4046A	15	3105
F3-B2913A29(COxBR)xZenith	411A	61	2359
F3-B42-3282(BR)xBlue Rose-41	4112A	14	2829
F3-F1,401A(BR-41xB2913A) x B2916A34(ExBR)	4117A	189	2424

MISCELLANEOUS MATERIAL:

CI-4011 x Blue Rose	4	2090
Caloro x Lady Wright Sel.B3173-1-2 (rogue) selections	5	3072
Medium-grain x short-grain Sels.	1	2848
	7	2850
	1	3828
Fortuna x Red Rice(Natl Cross)	1	2847
AL-11-1C, Shoemed x Fortuna	1	3826

Selections from varieties

See page

_____ TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

no H.O. nutt. niacans less than 5%

	Head 1st	Full	Ripe	Diseases HO	CO	WT	Lyb		
2001	Gold hull E.P. (field plots 7/18 - S -							CO - R field	2
2002	41-S-72, 7/17	7/25	EP					CO - R 250	
	pan } look for a clear endosperm type								
2003	41-S-72 7/18	7/25	EP					CO R	
	pan 7/10								
2004	41-S-127 7/18 -	7/25	EP					250	
2005	B3910-1, EP 8/6 -	8/11						mid CO - R	2648
2006	Large Seed (Acadia) dull endosperm 7/23 -	8/4							263
2007	Early Prolific (Station) dull endo 7/21 -	7/30					tr.		2534
2008	do 7/23 -	7/30							2535

Head	1st	Full	R.pe	Diseases No	Co	NT	Eff. Br.	
	Early Prolific (Station)							
2536	7/23	7/29		5				2009
			may be clear					pan
	B41-2462, EP							
32	7/23	7/31				tr		2010
✓	do 7/20	7/30						2011
✓	do 7/21	7/30		5		tr		2012
✓	do 7/20	7/30						2013
✓	do 7/21	7/30		5				2014
✓	do 7/22	7/31				tr		2015
✓	do 7/19	7/29						2016

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
2017	B41-2462, EP 7/20	7/30				32
2018	do 7/21	7/30				✓
2019	B3911, EP 7/17	7/27				29-1
2020	Early Prolific, Ck. 7/16	7/25				14
2021	B3911-1 EP 7/21	7/30	5			29-2
2022	do -2 7/22	7/31	5			29-3
2023	do -3 7 7/16	7/26	5	Seg clear + opaque		29-4
	Par looks more like EP than others					
2024	do 7/20	7/31	5			29-5

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
	B3911, EP						
29	7/20	7/30		5			2025
✓	do 7/20	7/30					2026
✓	do 7/22	8/2		5			2027
✓	do 7/21	7/31		5			2028
✓	do 7/21	7/31		5			2029
✓	do 7/22	8/3					2030
✓	do 7/21	7/31		5			2031
✓	do 7/22	8/2		5			2032

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
2033	B3911, EP 7/24 – 8/1		5			29
2034	do 7/21 – 8/3 (one late plant)		5			✓
2035	do 7/24 – 8/1		5			✓
2036	do 7/20 – 7/30		5			✓
2037	do 7/25 – 8/4		5			✓
2038	do 7/23 – 8/3		5			✓
2039	do 7/23 – 8/3		5			✓
2040	Lady Wright, Ck 7/19 – 7/26		5			4

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
	B3911, EP			5			
29	7/25	8/4					2041
✓	do 7/25	8/5		5			2042
	B41-3299, BR 7/19	7/28		5			2043
30							
✓	do 7/20	7/30		5			2044
✓	do 7/30	8/9		5		tr	2045
✓	do 7/21	& 8/2		5			2046
✓	do 7/20	& 7/31		5			2047
✓	do 7/20	7/31		10			2048

	Head 1s	Full	Ripe	Hold O	WT Lf Br	
	B41-3299, BR					
2049	7/21 –	7/30		5		30
2050	do 7/19 –	7/30	- 2	5		✓
2051	do 7/20 –	7/30		5		✓
2052	do 7/19 –	7/27		5		✓
2053	do 7/28 –	8/10		5	th	✓
2054	do 7/30 –	8/10		5	th	✓
2055	do 7/28 –	8/7				✓
2056	do 7/27 –	8/7		5	2	✓

	Head 1st	Head full	repe	HO	Co	WT	Lf Br	
30	BH1-3299, BR 7/28	– 8/6		10		1		2057
✓	do 7/28	– 8/6						2058
✓	do 7/30	– 8/10		5				2059
14	Early Prolific 7/17	– 7/27		5				2060
30	BH1-3299, BR 7/19	– 7/29		5				2061
✓	do 8/1	8/10		5		1		2062
✓	do 7/17	– 7/29						2063
✓	do 7/27	– 7/29?	late	5				2064

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip & Br	
B413299,BR 2065	7/30 - 8/9		10		th	30
2066	do 7/16 - 7/27		5		th	✓
2067	do 7/28 - 8/7		5			✓
2068	do 7/22 - 8/1		10		1	✓
2069	do 7/29 - 8/8		5			✓
2070	do 7/25 - 8/4		5			✓
2071	do 7/28 - 7/31					✓
2072	do 7/21 - 7/31				Th	✓

	DATES			DISEASES		
	HEADING 1ST	HEADING FULL	FULL RIPE	H.O.	Cercospora	White Tip Lf Br.	
	B41-3299, BR						
30	7/26	8/5		5	tr		2073
✓	do 7/25	8/9			1		2074
✓	do 7/25	8/5		5	tr		2075
✓	do 8/2	8/12					2076
✓	do 8/2	8/12		5	tr		2077
✓	do 7/22	7/31		10			2078
✓	do 7/20	7/28					2079
	Zenith, Ck						
3	7/20	7/29		10			2080

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
	B41-3299, BR					
2081	7/19 - 7/30		10			30
2082	do 7/26 - 8/5					✓
9/10	do not hulk with earlies					
2083	do 7/20 - 7/29		5			✓
2084	do 7/30 - 8/7		10			✓
2085	do 7/21 - 5 -		10	tr		✓
2086	do 7/16 - 7/26					✓
2087	do 7/29 - 8/10					✓
	Blue Rose Sel. (1936) Early					Co-mR
2088	7/24 - 8/4					2132
Pr						

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip		
2528-	Blue Rose (1936) ? 8/10	Uniformly				Clear to albino	Smooth well textured 2089 Hv 9/10
	Is a very outstanding midseason medium sel. grow in adv test in '44'						
2641	39-4312, (C.I. 4011 x BR) 7/17-	7/27		5-			2090
2641	do 7/18-	7/28		5-		St of 422A + 424A	2091
2638	39-4312, (4011 x BR) 7/10-	S-		10		Nath Cross in '42	2092
2641	39-4312, (C.I-4011 x BR) 7/17-	7/28		5-		Highly susceptible Nath cr?	2093
2538	Mammoth Long Sel. 7/23	8/4		5-		CO = R	2094
2539	do 7/22	8/1		10	R	CO = R	2095
2543	do 7/15-	7/25	8/15	10	R	CO = R	2096 Hv 9/10
	Seg. grain length						

Mammoth long sel. are segregating growing with light green leaved calyx very wide leaved

	DATES: HEADING / 1ST FULL	FULL RIPE	DISEASES: H.O.	Cercospora	White Tip	
2097	Mammoth Long Seh. 7/16 – 7/27		10	R		Co = R 2546
Hr 9/10						
2098	Edith (1938) 7/20 – 7/30	8/19	5	R		Co = R 2547
Hr 9/10	appears sl. better than mammoth Long. Uniform long-grain type (like Edith) good row. Very leafy, no CO V. good.					ach
2099	Mammoth Long Seh. 7/17 – 7/27		5			Co = R 2537
2100	Shoemed, Ck. 7/24 – 8/4		5			44
2101	Shoemed Sel 7/23 – 8/7 Taller than Shoemed.		10	Seg		CO = highly S.
2102	B337B3918, 7482x5094 7/20 S –		5			LP type 2618
2103	B2912A47 Early Rogue '42 Was long leaved #47 on 6/22/43, narrow leaves dark color 7/12 – 7/22	8/12	10	R		
Hr 9/10	Seg apic. color,					
2104	Shiro Beniya Seh. 7/10 – S –					2593

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip	
	B2913A29			♂ 401A + 402A		
2495	7/19 — 7/30 (2 late plant)		seg			2105
	B2913A29	S-1	Mid		Co = R	
pl.	7/15 -S-		seg			2106
	7/15 - S- ✓		5			2107
	7/22 - S ✓					2108
	7/24 - S ✓					2109
	7/14 - S - ✓		10			2110
	7/16 - S- ✓		5			2111
	7/19 - ✓ 7/29		5			2112

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	DATES HEADING 1ST FULL	FULL RIPE	DISEASES H.O.	Cercospora	White Tip	
	B 2913 A29,	V. Early				Co=R
2113	7/16 — 7/23	8/6	seq			F. Ph.
1W 9/10	Pair very promising now, Uniform Heading, 2o ol. tells them A29. Prior uniform heading (Prob a cross between Jewett + A2					
	B2916A34-3-3-1, ExBR					
2114	7/18 — 7/27		10			16
	Very good, much earlier than average 2o pick on arks FBRXF line (B292 o A17)					
	B2916A34-3-3-1 Sel.					
2115	7/29 — 8/8		15			2516
	do					
2116	7/28 — 8/9					2518
	do					
2117	7/25 — 8/4		10			2519
1W 9/10	Uniform seed-grain type typical of var.					
	do					
2118	7/25 — 8/4		15			2521
	do					
2119	7/24 — 8/3		15			2521
1W	long-grain type, typical of variety					
	B2913A39, COXBR,		ck.			
2120	7/16 — 7/27		10			18

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
490	B2913A29 7/13	7/21		5			2121
	Has a number of ears. Has a lighter green color than A29, more uniform heading & earlier also taller. Uniform cream husks						
491	B2913A29, 7/15	S		Mid		Co	R 2122
206	F4-401A1(BR41xB2913A29) 7/20	7/31		10			E 2123
206	F4-401A1(BR41xB2913A29) 7/19	7/30		5			E 2124
	light green						
	do 7/26	S		10 avg			Mid 2125
207	F4-401A2(BR41xB2913A29) 7/24	8/4		5			Mid 2126 Hu
210	F4-401A5(BR41xB2913A29) 7/21	7/31		5			E 2127
217	F4-401A12(BR41x2913A29) 7/27	8/6		5			M 2128

	DATES HEADING 1ST FULL	RIPE	DISEASES H.O.	Cercospora	White Tip	
2129	401A15, (BR-41 x B2913A29) 7/19-	7/29	10			E 4222
	Taller than average, very long type Uni, [illegible] A29 Badly botrytised on 8/31					
2130	401A17 7/28 -	8/8	do 10			E 4223
2131	F4 401A17 7/27 -	8/9	do 10			Mid ✓
2132	F4-401A19 (BR41 x B2913A29) 7/18-	7/28	10			E 4225
	grown in adv nurs. Very uniform maturity, light green					
2133	F4-401A25 (BR41 x B2913A29) 7/17-	7/27	10			Mid 4231
2134	F4-401A28 (BR41 x B2913A29) 7/15-	7/25	10			E 4234
2135	F4 401A28, 7/19-	7/28	do 10			E ✓
2136	F4-401A29 (BR41 x B2913A29) 7/22 -	7/31	10	R		Mid 4235
	Standing very well on 8/31 Prob R to CO Prob adv on 1944		1 plant S to CO			
	grow individually					
	very good					

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
	F4-401A30(BR41xB2913A29)						E 2137
4236	7/16		7/27	15			
E (V good) 237	F4-401A31(BR41xB2913A29) 7/20		7/30	10			2138 Hor Pan
E (V.g) V	F4-401A31, 7/18-	do	7/28	10			2139
B2913A29, CO x BR ck. 8	7/17-		7/27	10			2140
E 238	F4-401A32(BR41xB2913A29) 7/21		7/30	10			2141
E 239	F4-401A33, 7/22	do	7/31	5			2142
241	F4-401A34(BR41xB2913A29) 7/18-		7/29	15			2143
A34 line grown in adv. nurs							
rid V	F4 401A34. 7/26 S	do.		5			2144

	DATES: HEADING / 1ST FULL	FULL / RIPE	DISEASES: H.O.	Cercospora	White Tip	
	F4-401A34 (BR41 x B2913A29)					E
2145	7/22 –	8/1	10	R		4244
	A34 grown in adv nurs					
2146	do 7/24 –	8/3	10 seg			E V
	F4-401A35 (BR41 x B2913A29)					E
2147	7/20 –	7/30	15			4242
2148	do 7/20 –	7/30	15			E V
	F4-401A38 (BR41 x B2913A29)					E
2149	7/13 –	7/24	15 seg			4245
2150	do 7/17 –	7/27	5			E V
	2a very uniform					
	Hr per					
	F4-401A41 (BR41 x B2913A29)					Mid
2151	7/19 –	7/28	10			4248
	F4-401A42 (BR41 x B2913A29)					E
2152	7/21 –	7/30	15 seg			4249

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	H.O.	DISEASES: Cercospora	DISEASES: White Tip	
E F_4-401A43 (BR41 x B2913A29) 4250	7/23	8/2	10			2153
E F_4-401A48 (BR41 x B2913A29) 4255	7/16	7/26	15			2154
E F_4-401A49 (BR41 x B2913A29) 4256	7/24	8/4	(15 seg) R			2155
Tallest than average, very clean vegetation standing up very neat on 8/31 Exceptionally good row - grow in adj. nurs.						Hr Row
E (Very hairy) F_4-401A52 (BR41 x B2913A29) 4259	7/16	7/27	10 seg			2156
E (Very hairy) do	7/16	7/16	10			2157
E (Very clean easily threshed) 401A53 261	7/14	7/24	15			2158
Make a number of sacks, probably going for hi. almost as tall as E.P. earlier + heavier, V. good Very Uniform row Good, Rather narrow leaves.						Hr. Row
Mid 401A54 262	7/26	7/30	10 seg			2159
Early Prolific, Ck. 14	7/19	7/29	10			2160

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
2161	401A53 7/16 -	7/26	10			E 4264
2162	F4-401A57(BR41xB2913A29) 7/19 -	7/28	10			E 4265
2163	do 7/16 -	7/27	10			E 4265
2164	F4-401A58(BR41xB2913A29) 7/19 -	7/29	15 seg 1			E 4266
2165	F4-401A58(BR41xB2913A29) 7/16 -	7/28	10			E 4267
	No pan					
2166	F4-401A60(BR41xB2913A29) tall plant, now waiting for C.O 7/22 -	7/31	10			E 4268
2167	F4-401A65(BR41xB2913A29) 7/21 -	S	10			Mid 4273
2168	F4-401A68(BR41xB2913A29) V clear grain 7/15 -	7/25	5 seg			E 4276

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	DISEASES: Leaf Brown	
E 4286	F4-401A77(BR41xB2913A29) 7/15	7/25	5 seg				2169
E 4316	F4-401A106(BR41xB2913A29) 7/13	7/24	10 seg				2170
E 4318	F4-401A108(BR41xB2913A29) 7/18	7/29	15 seg				2171
E 4322	(V good quality) F4-401A111(BR41xB2913A29) 7/23	S	15 seg				2172
E 4324	F4-401A113(BR41xB2913A29) 7/18	7/28	10 seg				2173
E 4330	F4-401A119(BR41xB2913A29) 7/17	7/27	10				2174
E 4333	F4-401A122(BR41xB2913A29) 7/15	7/26	5				2175
E 3461	F6-3722A1-142-5 7/23	8/2	10 R				2176

Had very stiff straw standing upright on 9/22

DV
NW

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
	F4-401A3-19 (BR41 x B2913A29)					E
2177	7/25 - 8/4		10			4363
	F4-401A3-23 (BR41 x B2913A29)					E
2178	Has a few spots (CO). ck to see whether R.					4367
	7/24 - 8/4		10 seg			
	do					E
2179	7/25 - 5 -		5			✓
	Zenith, ck.					
2180	7/20 - 8/1		15			3
	(One late Plant)					
	F4-401A3-23 (BR41 x B2913A29)					✓
2181	7/29 - 8/9		10			4367
	F4-401A3-24 (BR41 x B2913A29)					E
2182	7/21 - 8/1		10			4368
	F4-401A3-26 (BR41 x B2913A29) maybe R & CO					E
2183	7/25 - 8/4		15 seg			4370
	F4-401A3-27 (BR41 x B2913A29)					E
2184	7/27 - 8/8		5			4371
	Very uniform, prob R to CO					
HW R						

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
E 4372	F_4-401A3-28 (BR41 x B2913A29) 7/19		7/30		10		2185
E 4374	F_4-401A3-30 (BR41 x B2913A29) 7/24		8/4		5		2186
E 4387	F_4-401A3-42 (BR41 x B2913A) 7/26		8/6		5		2187
E 4388	F_4-401A3-43 (BR41 x B291A) 7/29		8/9		10		2188
E ✓	do 7/28		8/9		10	R	2189 Hv Row
	Very good midseason row.						
E 5-	401A					CO=R	E 2190
	Taller than others on 6/22/43 15 seq						
	7/13		7/23				
	Saw a number of the taller plants						
	Very uniform						
✓	do 7/14		8/4		15 seq		2191
	(one late plant)						
✓	do 7/17		7/29		15 seq (R)		2192 Hv row

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
F3 - 401A					CO=R	E
2193	7/25 - 8/4		15 seg			
2194	do 7/21 - 7/31		10 seg			✓
2195	do 7/22 - 8/2		15			✓
2196	do 7/21 - 7/30		10			✓
2197	do 7/16 - 7/26		15			✓
2198	do 7/25 - 8/4		15			✓
2199	do 7/24 - 8/3		15			✓
B291 3A29, CoxBR, CK						18
2200	7/18 - 7/30		10			

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
E3	401A				Co=R		E
	7/20	7/30		5			2201
✓	do 7/19	7/30		seq			2202
✓	do 7/19	7/27		seq			2203
✓	do 7/24	8/3		seq			2204
✓	do 7/22	7/31		5			2205
✓	do 7/18	7/28		5			2206
	Traploid plant						
✓	do 7/19	7/30		5			2207
✓	do 7/22	7/31		10			2208
	contains male sterile plants 16 normal — 6 sterile						

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
F3 401A, 2209	7/14 - 7/25		10			CORE
2210	do 7/15 - 7/25		5	R		✓
2211	do 7/14 - 7/24		10	R		✓
2212	do 7/18 - 7/29		5	R		✓
2213	do 7/25 - 8/4		10			✓
2214	do 7/21 - 7/28		5			✓
2215	do 7/16 - 7/26		10			✓
2216	do 7/18 - 7/28		10			✓

Has an very plump grain, more vigor than most a tetra or triple like tiller spread from this row, may be a sector tiller has a few seeds present!

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip		
F3 401A	7/18	7/28	10			Co=R	E 2217
✓ do	7/17	7/27	5				2218
✓ do	7/23	8/4	10				2219
B2913A29, Co x BR, CK. 8	7/31	7/31	10				2220
F3 - 401A	7/25	8/4	10			Co=R	E 2221
✓ do	7/23	8/4	10				2222
✓ do	7/24	8/4	10 seg				2223
✓ do	7/29	8/8	10 seg				2224

	DATES		DISEASES		
	HEADING / 1ST FULL	FULL / RIPE	H.O.	Cercospora	White Tip
	F3 - 401 A			Co = R	E
2225	7/24 - 8/4		10 seg		
2226	do 7/23 - 8/2		10		✓
2227	do 7/22 - 8/1		10		✓
2228	do 7/22 - 8/1		15 seg		✓
2229	do 7/24 - 8/3		10 seg		✓
2230	do 7/29 - 8/8		15 seg		✓
2231	do Tillers from others 7/21 - 7/31 Same several of the tiller types		15 seg		✓
2232	do 7/25 - 8/4		10		✓

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	DISEASES Co:R	DISEASES E
F3 - 401 A	7/26	8/5		15 seg				2233
✓ do	7/20	7/30		15 seg				2234
✓ do	7/22	7/31		15 seg				2235
✓ do	7/25	8/4		20 seg				2236
✓ do	7/25	8/4		10 seg				2237
✓ do	7/28	7/30		15 seg				2238
✓ do	7/16	7/27		10 seg				2239
B2913A29 COxBR, CK. 8	7/17	7/26		10				2240

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
F3-401A 2241	7/28 - 8/8		15			CO-R-E
2242	do 7/29 - 8/9		10 seg			✓
2243	do 7/21 - 7/31		10 seg			✓
F4-403A1-3 (BR-41 x Colusa) 2244	7/22 - 8/1		5			E 4893
F4-403A-8 (BR-41 x Colusa) 2245	7/19 - 7/29		5			E 4898
F4-403A2-1 (BR-41 x Colusa) 2246	7/20 - 8		15 seg			E 4401
F4-403A3,-1 (BR-41 x Colusa) 2247	7/18 - 7/28		5			E 4406
F4-404A1-2 (BR-41 x Early Prolific) 2248	7/17 - 7/27		5			Clear E 4414 1
NW	Hvy, sl irregular but good					

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	H.O.	DISEASES: Cercospora	DISEASES: White Tip	
E 4414-2	F4-404A1-2 (BR-41x Early Prolific) 7/16	7/26	10 seg		Seg endo	2249
E 4414-3	do -3 7/16	7/27	10 seg		Seg endo	2250
E 4415-1	F4-404A1-5 7/17	7/26	10 seg		Seg endo	2251
E 4415-2	do 7/20	7/30	5		Seg endo	2252
E 4416	F4-404A1-10 3/17	7/27	5		opaque	2253
E 4418-1	F4-404A1-18 -1 7/22	7/31	5	Seg	clear	2254
	V. good, Uniform appears more productive than EP					Hv
E 4418-2	do -2 7/16	7/27	5		Seg endo	2255
E 4418-3	do -3 7/20	7/30	10 seg		clear	opaque 2256
	V good Similar to 2254					Hv

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cerco-spora	White Tip	
2257	F4-404A1-18 (BR-41 x Early Prolific) 7/16-	7/26	10 seg	clear	(opaque)	E 4418-5
W	V. good Similar to 2254, except earlier					
2258 MG	do 7/18- 5		5		seg endo	E 4418-6
2259 DG	F4-404A1-20 (BR-41 x Early Prolific) 7/19- 5-	8/20	10 seg	clear		E 4419-1
2260 MG	Early Prolific, ck. 7/19-	7/29	10			14
	a small amount of CO beginning to show on					
2261 DG	F4-404A1-20 (BR-41 x Early Prolific) 7/20- 5-		10 seg	some CO.	seg endo	E 4419-2
2262 DG	F4-404A1-22 (BR-41 x Early Prolific) 7/21- 5-		15	clear		E 4421-1
2263 MG	F4-404A1-23 (BR-41 x Early Prolific) 7/16-	7/27	15 seg		seg endo	E 4422-1
2264 MG	F4-404A1-24 (BR-41 x Early Prolific) 7/15-	7/26	10 seg		seg endo	E 4423-2

LG = light green
DG = dark green
MG = med green

Taken 7/24/43

	DATES			DISEASES	
	HEADING 1ST FULL	FULL RIPE		H.O. Cerco-spora White Tip	
1423-4 MG	F4-404A1-24 (BR-41 x Early Prolific) seg endo very good grain type 7/22 – 7/30		20 seg		2265
E 1424-2 DG	F4-404A1-25 (BR-41 x Early Prolific) seg endo 7/16 – S		15 seg		2266
E 1424-3 DG	F4-404A1-25 (BR-41 x Early Prolific) seg endo 7/19 – S		15 seg		2267
E 1425-2 MG	F4-404A1-29 (BR-41 x Early Prolific) clear 7/20 – 7/30 very good very clean straw		10 seg		2268 Hv
E 1425-4 MG	do 1-29-4 clear 7/21 – 7/31 very good very clean straw, looks better than 2268		10 seg		2269 Hv
E 1428-1 MG	F4-404A1-45 (BR-41 x Early Prolific) clear 7/20 – 7/30 good, leaning more than adj rows especially 2268 & 69, good		15		2270 Hv
E 1428-2 MG	do 1-45-2 clear May be S to C.O. 7/20 7/30 Good standing better than 2270, + 72 Hv Hardly as good as 2268 & 69		15		2271
E 1428-3 MG	do 1-45-3 clear 7/19 – 7/29 good about like 2270, standing rel better Hv		10		2272

	DATES		DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip
F4-404A1-47 (BR-41 x Early Prolific)					
2273 DG	7/19	S	10 seg		E 4430-1
F4-404A1-48 (BR-41 x Early Prolific)					
2274 MG	7/23	8/2	10 seg		E 4431-1
do					
2275 MG	7/22	7/31	10 seg		E 4431-4
F4-404A1-72 (BR-41 x Early Prolific)					
2276 DG	7/19	7/31	10 seg	Co=0	clear Mod E 4437-1
do					
2277 DG	7/16	S	15 seg		clear E 4437-2
do 1-72-3					
2278 MG	7/19	7/29	10 seg		clear E 4437-3
Very Uniform	leaning sl on 9/10, quite hoy, 2o very uniform				
F4-404A1-73 (BR-41 x Early Prolific)					
2279 DG	7/19	S	10		4438-1
Early Prolific, ck.					14
2280 MG	7/16	7/27	10		
CO is present on every plant (tr) on 8/20					

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
E Co=Mod F4-404A1-78 (BR-41 x Early Prolific)						Seg endo
442-1 7/14-S			15 seg			2281
DG						
Co=Mod F4-404A1-80 (BR-41 x Early Prolific)						Opaque
443-1 7/21	7/30		10 seg			2282
MG						
Co=Mod F4-404A1-32 (BR-41 x Early Prolific)						Seg endo
445-1 7/18	7/28		15 seg			2283
DG						
-Co=Rd	do					Seg endo
445-2 7/16	7/27		10 seg			2284
DG						
-Co=Mod	do					Seg endo
445-3 7/20	7/30		5			2285
DG						
Co=Mod	do 1-32-4					clear
445-4 fully 50% of grams were stink-bug						2286
damaged in 1942.			10 seg			
DG 7/17	7/27	Poor stand, hard to judge, but				
appears quite productive.						
-Co=R F4-404A1-50 (BR-41 x Early Prolific)						Seg endo
448-1 7/18	7/28		15 seg			2287
DG						
-Co=R	do					Seg endo
448-2 7/23	7/31		10 seg			2288
DG 1 trap.						

	DATES			DISEASES	
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip
2289 DG	F4-404A1-50 (BR-41 x Early Prolific) 7/16 - 5		15 seg	seg endo	E-Co=R 4448-3
2290 MG to DG	F4-404A1-50 (BR-41 x Early Prolific) 7/21 - 7/31 2290; 91 & 92 all look very much alike		10 seg	seg endo	E-Co=mod 4449-1
2291 MG to DG	do 1-51-2 7/17 - 7/29		15	clear	E-Co=R 4449-2
2292 MG to DG	do 1-51-3 7/22 - 7/31		10 seg	clear (1 opaque)	E-Co=R 4449-3
2293 MG to DG	do 7/23 - 8/2		10 seg	seg endo	E-Co=mod 4449-4
2294 MG	do 7/23 - 8/2 1 injured plant		5	seg endo	E-Co=mod 4449-7
2295 MG	do 7/20 - 7/30		10 seg	seg Endo	E-Co=mod 4449-9
2296 MG	do 7/23 - 8/2		10 seg	seg endo	E-Co=R 4449-10

DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H. O.	DISEASES: Cercospora	DISEASES: White Tip	
F- CO=R F4-404A1-51 (BR-41 x Early Prolific) clear. 4449-12 7/24 - 8/5 10 seg 1G Very good					2297 Nv
F- CO=mod-S F4.404A1-52 (BR-41 x Early Prolific) clear 4450-4 1-52-4 Compare Tp 4450-4 10 seg 1G 7/23 - 8/1 appears a little better than 2297 V. good					2298 Nv
F- CO=0 (Highly R) F4-404A1-56 (BR-41 x Early Prolific) 4453-1 7/18 - S- seg endo 15 seg 1G					2299
Early Prolific, ck. 4 7/26 - 7/30 10 1G					2300
CO=0 - Highly R F4-404A1-56 (BR-41 x Early Prolific) 4453-2 7/18 - S- seg endo 15 seg 1G					2301
id - CO=mod. F4-404A1-59 (BR-41 x Early Prolific) 4455-2 7/21 - S- seg endo 10 seg 1G					2302
id - CO=R F4-404A1-65 (BR-41 x Early Prolific) 4457-1 7/21 - S seg endo 10 seg 1G					2303
id - CO=R do clear endo 4457-2 7/20 - S- 10 seg 1G					2304

	DATES HEADING 1ST. FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cerco-spora	DISEASES White Tip
2305 DG	F4-404A1-65 (BR-41 x Early Prolific) 7/16 - S -		Seg endo 15 seg	E-M-Co=R 4457-4	
2306 MG	F4-404A1-67 (BR-41 x Early Prolific) 7/20 - 7/30		Seg endo 15 seg	E-Co=R 4458-2	
2307 MG	do 7/22 - 7/31		Seg endo 10 seg	E-Co=Mod 4458-3	
2308 MG	F4-404A1-70 (BR-41 x Early Prolific) 7/17 - 7/27		opaque 10 seg	E-Co=R (o) 4461-4	
2309 MG	do 7/20 - 7/30		opaque 5	E-Co=R (t) 4461-5	
2310 MG	F4-404A1-74 (BR-41 x Early Prolific) 7/19 - 7/29			E-Co=Mod 4463-1	
2311 DG	do 7/21 - S -		Seg endo 10 seg	Mod-Co=R 4463-2	
2312 DG	do 7/19 - 7/27		Seg endo 10 seg	E-Co=R 4463-3	

(Very uniform good 7/24)

DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip		
mid-co=R F4-404A1-74(BR-41 x Early Prolific)						Seg endo
4463-4 7/25 - S-		10 seg				2313
G to						
G						
mid-co=R F4-404A1-79(BR-41 x Early Prolific)						Seg endo
4464-2 7/18 - S-		10 seg				2314
DG						
E-co=R F4-404A1-4(BR-41 x Early Prolific)						Seg endo
4475-1 7/20 - 7/30		10 seg				2315
MG						
F2-404A5		do				Opaque
mid 7/23 - S-		S-				2316
DG						
404A6		do				Seg endo
DG 7/18 - S-		15 seg				2317
404A8		do				Opaque
G to 7/23 - 7/31		S-				2318
G						
404A11		do				Seg endo
G 7/19 - S		15 seg				2319
Early Prolific, ck.						
4 7/17 - 7/27		10 th				2320
MG						

all were R to CO in F2

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip	
F3 - 404A14						seg endo-
2321	sl. later than av in F2 - sl shatter grain very clear - maybe a Nath cross					
DG	7/16 - S		10 seg			
	404A18.					P.
2322	7/13 - 7/24		10 seg			
DG						
	404A24	clear endosperm				clear
2323	7/20 - 7/30		15 seg			
MG	V. Uniform, more production than EP					
NW	V. good					
	404A25					opaque
2324	7/17 - 7/27		10 seg			
MG to DG						
E-M	404A26					seg endo-
2325	7/20 - S -		20 seg			
DG						
E	404A27					seg endo
2326	7/18 - S -		20 seg			
DG						
	404A28					(seg endo) E-CO-O
2327	7/19 - 7/29		5			
MG						
	404A29					opaque E-CO-Nath
2328	7/18 - 7/28		10 seg			
MG						

all were R to C.O. in F2

DATES HEADING	DATES 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3 - 404A30 G to G	7/20 - S		Seg endo 20 seg	E-M-CO=th		2329
404A31 G	7/20 - S-		Seg endo 15 seg	E-CO=O		2330
404A32 G	7/21 - S		Seg endo 20 seg	M-E-CO=O		2331
404A34 G	7/20 - S		Seg endo 15 seg	E-M-CO=R-th		2332
404A38 G to	7/19 - 7/29		Seg endo 20 seg	E-CO=th-R		2333
404A39 G	7/17 - 7/27		Seg endo 10 seg	E-CO=Mod-R		2334
404A40 G DG	7/21 - 7/30		Opaque 10 seg	E-CO=O		2335
404A41 G	7/20 - S		Seg endo 10 seg	E-M-CO=O		2336

	DATES		DISEASES	
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora White Tip
F3 - 404A37 2337 MG to DG	7/20	7/30	opaque 10	E - Co = tr
404A43 2338 MG to DG	7/25	-S-	opaque 20 sq	E-M-Co = R
404A44 2339 MG to DG	7/15	-S-	legendo 20 sq	E - Co = tr
Early Prolific, ck. 2340 MG to considerable Co showing on lower leaves 8/20 DG	7/19	7/29	10	14
404A45, 2341 DG	7/20	-S-	legendo 15 sq	E - Co = 0
404A47 2342 DG	7/17	-S-	opaque 10	E Co = mod on S
404A50 2343 MG	7/17	7/27	legendo 5	E - Co = trR
404A54 2344 MG	7/18	7/28	legendo 15	E - Co = trR

	DATES HEADING	DATES FULL	DISEASES H.O.	DISEASES Cerco-spora	DISEASES White Tip		
	1ST FULL	RIPE					
3 - 404A56	7/20 - S		clear endosperm	15	M - E - CO = R		2345
404A62	7/20 - S		seg endo	15	E - M - CO = 0		2346
404A63	7/19 - S -		seg endo	15	CO = R		2347
404A66,	7/20 - S		seg endo	15 seg	E - M - CO = 0		2348
404A70,	7/22 - 7/31		opaque	15 seg	E, CO = 0		2349
404A73, clear endosperm	7/19 - 7/30			20 seg	E - CO = tr R		2350
More browning than some, V. uniform Prob. not as long as some good						Hv	
404A77,	7/18 - S		seg endo	15 seg	E - CO = tr R		2351
404A78	7/19 - S -		seg endo	15 seg	E - M - CO = 0		2352

	DATES: HEADING / 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-404A85 2353 DG	7/17 -S-		Segendo. E-M-CO=0 15 eq			
HW 2354 MG	Zenith Sel 7/21 - 7/31		large seeded type 15 tr	Considerable Con	8/31	M-62
Rows 2354-58 have heavier stem, tillers & appear more vigorous than Z (2360) Plumper grain V. good.						
2355 MG HW	7/24 - 7/31	do	large seeded type 15 5			M-62
Grain type not as uniform as 2354						
2356 MG HW	7/24 - 8/2	do	large seeded type 10 tr			M-62
Possibly more CO than 54 or 55						
2357 MG	7/22 - 7/31	do	large seeded type 10 eq			M-62
a larger grain type than others						
2358 MG	7/24 - 8/3	do	large seeded type 10			M-62
a larger-grain type than others						
F3 411A3-1 B2913A29,(CO x BR) x Z						
2359 MG to DG	7/28 - S.		10 eq			
Zenith, CK.						3
2360 MG to LG	7/22 - 7/31		10 tr			

DATES: HEADING 1ST	DATES: FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-411A3-2, B2913A29, (CoxBR)x[illegible]						
MG	7/19	-S-		15 seg		2361
F3-411A3-3			do			
DG	7/22	-S-		10 seg		2362
F3-411A3-4			do			
G to G	7/26	-S-		15 seg		2363
F3-411A3-5			do			
G to G	7/18	-S-		15 seg		2364
F3-411A3-6			do			
G to G	7/16	-S-		10 seg		2365
F3-411A3-7			do			
DG	7/19	- 7/27		10		2366
				grow single plants		Hu
Very uniform heading						
F3-411A3-8			do			
MG	7/14	S		10 seg		2367
F3-411A3-9			do			
DG	7/20	-S-		5		2368
Has plump grain						

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.	O.	Cercospora	White Tip
F3 411A3-10 B2913A29,(Co x BR) x Z						
2369 MG to DG	7/17 -S-			10 seg		
F3 411A3-11		do				
2370	7/16 -S-			10 seg		
F3 411A3-12		do				
2371 MG to DG	7/11 7/22			10 seg		
Brown to cross with smooth BR 41 x (R x SBR) 2949 Also 2395 with smooth (Very uniform heading + lit 7/24)						
F3 411A3-13		do				
2372 MG to DG	7/15 -S-			10		
F3- 411A3-14		do				
2373 DG	7/14 -S			5		
F3- 411A3-15		do				
2374 MG	7/16 7/22			10		
Very uniform heading						
F3- 411A3-16		do				
2375 MG to DG	7/17 -S-			15 seg		
F3 -411A3-17		do				
2376 DG	7/22 -S-			10 seg		

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H. O.	DISEASES Cercospora	DISEASES White Tip	
3 411A3-18 B2913A29,(Co x BR) x Z							
1 Gt 7/22 - S				5			2377
3 G							
F3 411A3-19			do				
DG 7/21 - S-				5			2378
F3 411A3-20			do				
DG 7/20 - S-				10 Seg			2379
B2913A29, Ck.							
P 7/16		7/27		15			2380
DG							
F3 411A3-21, B2913A29,(Co x BR) x Z							
7/20 - S				15 Seg			2381
DG							
F3 411A3-22			do				
DG 7/25 - 8/d				10			2382
(1 late Plant)							
F3 411A3-23			do				
7/16 - S-				10 Seg			2383
2 Gt							
G							
F3 411A3-24			do				
DG 8/10 - S				10			2384

	DATES		DISEASES		
	HEADING 1ST. FULL	FULL RIPE	H.O.	Cerco-spora	White Tip
F3-411A3-25, B2913A29(CoxBR)x2					
2385 7/14 - S - DG				5	
F3-411A3-26		do			
2386 7/14 - S - DG				5	
F3 411A3-27		do			
2387 8/11 - S - DG				5	
F3 411A3-28		do			
2388 7/18 - S - MG & DG				10 sq	
F3 411A3-29		do			
2389 7/15 - 7/27 DG				5	
F3 411A3-30		do			
2390 7/17 - S DG				5	
F3 411A3-31		do			
2391 7/21 - S - DG				10 sq	
F3 411A3-32		do			
2392 7/18 - 7/28 LG				10 sq	

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3 411A3-33, B2913A29(Co×BR)×Z							
DG	7/16	5		5			2393
F3 411A3-34			do				
DG	7/16	7/27		5			2394
F3 411A3-35			do				
DG	7/12	7/22		5			2395
Ram is very much like Z, possibly a little shorter. Short, small eared line, very early.							Hv
Hv very early plant 4 ft from So. end (2 hv on 8/2/43							
F3 411A3-36			do				
DG	7/18	7/28		5			2396
F3 411A3-37			do				
1G6 DG	7/25	5		10 seg			2397
F3 411A3-38			do				
1G6 DG	7/16	7/28		10 seg			2398
F3 411A3-39			do				
1G6 DG.	7/19	5		10 seg			2399
Zenith, ck.							
3	7/24	8/3		5			2400

	DATES		DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip
F3-411A3-40 2401	7/19	7/29	B2913A29(CoxBR)xZ	5	
F3-411A3-41 2402 1-E	7/21	7/31	do		
F3-411A3-42 2403	7/21	-5	do	5	
F3-411A3-43 2404	7/15	7/26	do	5	
F3-411A3-44 2405 1-E	7/21	-5	do	5	
F3-411A3-45 2406	7/16	7/26	do	10 Deg	
F3-411A3-46 2407	7/24	-5	do	10 Deg	
F3-411A3-47 2408	7/27	-5	do	10 Deg	

DATES			DISEASES		
HEADING 1ST	HEADING FULL	FULL RIPE	H.O.	Cercospora	White Tip	
F3-411A3-48, B2913A29 (Cox BR) x Z						—
7/20	7/31		5 seg			2409
F3-411A3-49		do				2410
8/12			5 seg			
F3-411A3-50		do				2411
7/19 - S			10 seg			
F3-411A3-51		do				2412
7/19 - S			5 seg			
F3-411A3-52		do				2413
7/18 - S			5 seg			
F3-411A3-53		do				2414
7/13 - S			5 seg			
F3-411A3-54		do				2415
7/17 -	7/27		5 seg			
F3-411A3-55		do				2416
7/20 -	7/30		10 seg			

	DATES		DISEASES	
	HEADING 1ST FULL	FULL RIPE	H.O. Cerco-spora	White Tip
F3-411A3-56, (B2913A29(CoxBR)xZ 2417	7/17 - 5		10 seg	
F3-411A3-57 2418	7/22 - 8/1	do	10 seg	
F3-411A3-58 2419	7/16 - 5	do	10 seg	
Zenith, ck. 2420	7/24 - 8/3		5	3
F3-411A3-59, B2913A29(CoxBR)xZ 2421	7/22 - 8/1		5	
F3-411A3-60 2422	7/18 - 7/26	do	5 seg	
F3-411A3-61 2423	7/21 - 5	do	5 seg	
F3 411A1-1 F1 (BR-41xB2913A29)xB2916A34 2424	8/18 - 8/27		15 seg 8 seg	CoxBR

3-E

Lined 7 Sub R plants

lines and R & Co.

DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F1(BR-41xB2913A29)xB2916A34 6xBR						
F3-4117A1-2 7/24 - 8/3				35		2425
F3-4117A1-3 7/26 - 5			do	10 seg		2426
F3-4117A1-4 8/16 - 8/24			do	10 seg Seg		2427
F3-4117A1-5 7/29 - 5			do.	10 seg		2428
F3-4117A1-6 7/25 - 5			do	10 seg		2429
F3-4117A1-7 7/18 - 7/28			do	10 seg		2430
F3-4117A1-8 7/24 - 5			do	5 seg		2431
F3 4117A1-9 8/17 - 8/27			do	10 seg		2432

	DATES			DISEASES		
	HEADING	1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip

F3 - 4117A1-10, F_1(BR-41 x B2913A29) x B2916A39
2433 8/16 - 8/26 10 seg Co x BR
Pwh
Seg

F3 - 4117A1-11 do
2434 Plant stood up much better than av. in 1942
Hr 8/23 - 8/30 15 seg R
more slender grain than BR. V. good

F3 - 4117A 2-1 F_1(BR-41 x B2913A29) x B2916A39
2435 7/13-S- F_1 15 seg Co x BR
~~more slender grain than BR.~~

F3 4117A2-2 do
2436 7/16-S- 15 seg

F3 4117A2-3 do
2437 7/23 -S- 15 seg

F3 4117A2-4 do
2438 7/17-S- 15 seg

F3 4117A2-5 do
2439 7/17- 7/28 15 seg R
Hr
rows

B2913A29, Co x BR, CK.
2440 7/18 - 7/28 15 seg

DATES			DISEASES			
HEADING	FULL					
1ST FULL	RIPE		H.O.	Cercospora	White Tip	
F1 (BR-41 x B2913A29) x B2916A39, Co x BR						
F3 4117A2-6 7/17-S-				15 seg		2441
F3 4117A2-7 7/30-S-		do		20 seg		2442
F3 4117A2-8 easily threshed in 1942 7/18-S		do		20 seg		2443
F3 4117A2-9 7/15- 7/26		do		15 seg		2444 Pan
F3 4117A2-10 7/15-S-		do		20 seg		2445
F3 4117A2-11 7/17- 7/29		do		15 seg		2446
F3 4117A2-12 7/17- 7/27		do		15 seg		2447
F3 4117A5-1 (BR-41 x B2913A29) x B2916A39, Co x BR 7/25-S- F1				15 seg		2448

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-4117A5-2 F_1(BR-41 x B2913A29) x B2916A34 CO x BR 2449	7/22	7/31		15 seg		
F3-4117A5-3 2450	7/26	-S-	do	20 seg		
F3-4117A5-4 2451	7/25	8/4	do easily threshed in 1942	15 seg		
F3-4117A5-5 2452	7/23	-S-	do easily threshed in 1942	15 seg		
F3-4117A6-1 F_1(BR-41 x B2913A29) x B2916A34 CO x BR 2453	7/25	8/4	short stature in '42	20 seg		E
F3-4117A6-2 2454	7/24	8/3	do v. good in '42	15 seg		E
F3-4117A6-3 2455	7/25	-S-	do later than CO x BR but very good, in over ripe stage	15 seg Seg.		E
F3-4117A6-4 2456	7/24	8/3	do easily threshed in '42 Very stiff straw, stands well.	15 seg Probably seg for CO.		E

DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3 - 4117A6-5 F, (BR-41 x B2913A29) x B2916A34 Co x BR 8/15 - 8/23 Earlier than BR, - good		10	R		2457 Hv Pan
F3 - 4117A6-6 7/31 - S		do	15		E 2458
F3 - 4117A6-7 7/26 - S -		do	15		E 2459
B2916A34. E x BR, CK. 7/26 - 8/5			10		2460
F3 - 4117A6-8 F, (BR-41 x B2913A29) x B2916A34 Co x BR easily threshed in '42 7/26 - 8/4			10	Seg	2461 Hv Pan
F3 - 4117A6-9 7/25 - S -		do	15		E 2462
F3 - 4117A6-10 7/25 - S -		do	10		late 2463
F3 - 4117A6-11 8/13 - 8/23		do	15		mid 2464

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cercospora	White Tip	
F3 - 4117A6-12 2465	8/18 - 8/27					F_1(BR-41 x B2913A29) x B2916A34 C6 x BR easily threshed in '42 15 — Mid
F3 - 4117A6-13 2466	7/26 - 5		do 15			M-late
F3 - 4117A6-14 2467	7/25 - 8/4		do 15			Mid
F3 - 4117A8-1 2468	7/17 - 7/27		15			F_1(BR-41 x B2913A29) x B2916A34 C6 x BR
F3 - 4117A8-2 2469	7/22 - 7/31		do 15			Lay
1dw pw						
F3 - 4117A8-3 2470	7/18 - 7/28		do 15			
F3 - 4117A8-4 2471	7/26 - 5		do 20			
F3 - 4117A8-5 2472	7/21 - 7/31		do 20			

DATES			DISEASES		
HEADING	FULL				
1ST	FULL	RIPE	H.O.	Cercospora	White Tip
					F_1(BR-41xB2913A29)xB2916A34 CoxBR
F3-4117A8-6	7/20	7/31		20	late? 2473
F3-4117A8-7	7/20	7/31	do	20	E 2474
F3-4117A8-8	7/25	8/6	do	20	E 2475
easily threshed in '42 - CoxBR type					
F3-4117A10-1, F_1(BR-41xB2913A29)xB2916A34 CoxBR	7/22	-5-		10	E 2476
F3-4117A10-2	7/23	-5-	do	20	2477
F3-4117A10-3	7/26	-5-	do	20	2478
F3-4117A10-4	7/24	8/3	do	20	2479 Nw Pan
Early Prolific, ck.	7/21	7/31		15	2480
'4					

	DATES		DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip
F3-4117A10-5 F_1(BR-41xB2913A29)xB2916A34 CoxBR 2481	8/22-8/30		15-R		
	Very hay row, stiff stem Bad for Ho, many dead leaves.				
F3-4117A10-6 2482	7/27-S-	do	20		
F3 4117A10-7 2483	7/23-S-	do	25		
F3-4117A10-8 2484	7/28-8/7	do	20		
F3-4117A10-9 2485	7/24-8/3	do	20		
(pan)					
F3-4117A10-10 2486	8/25-8/31	do	15		
F3-4117A10-11 2487	7/28-S-	do	20		mid
F3-4117A10-12 2488	7/26-S	do	15		mid

	DATES			DISEASES			
	HEADING		FULL				
	1ST	FULL	RIPE	H.O.	Cercospora	White Tip	
				F,(BR-41xB2913A29)xB2916A34 CoxBR			
F3 - 4117A10-13	7/27	8/6		20	Prob seg.		E-tall 2489 Hv row
F3 - 4117A10-14	7/26	8/5		do 20			E-CoxBR type 2490
F3 - 4117A11-1, F,(BR-41xB2913A29)xB2916A34 CoxBR	7/26	8/5		20			2491
F3 - 4117A11-2	7/17	S		do	15 seg		2492
F3 - 4117A11-3	7/17	7/27		do	20 R		E 2493 Hv row
F3 - 4117A11-4 easily threshed in '42	7/21	7/30		do	15		V.E. 2494
3 - 4117A11-5	7/22	8/1		do	15		V.E. (CoxBR type) 2495
F3 - 4117A11-6	8/2	S		do	15 seg		V.E. 2496

	DATES		DISEASES		
	HEADING / 1ST FULL	FULL / RIPE	H.O.	Cercospora	White Tip
F3 - 4117A11-7, F, (BR-41 x B2913A29) x B2916A34 Co x BR 2497 easily threshed in 42 7/21 - 5 -			20		mid
F3 - 4117A11-8 2498 8/8 - 5 -		do	20		late
F3 - 4117A12-1, F, (BR-41 x B2913A29) x B2916A34 Co x B 2499 easily threshed in '42 7/26 - 5 -			15		
Blue Rose, - 41, Ck 2500 8/19 - 8/28			10		166
F3 - 4117A12-2, F, (BR-41 x B2913A29) x B2916A34 Co x BR 2501 8/22 - 8/30			15		late
F3 - 4117A12-3 2502 7/24 - 5		do	15		mid
F3 4117A12-4 2503 7/27 - 5 -		do	15		mid
F3 - 4117A12-5 2504 8/22 - 8/30		do	15	R	

DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F1(BR-41xB2913A29)xB2916A34CoxBR						
F3- 4117A12-6	7/26	-S-	15			2505
F3- 4117A16-1 F1(BR-41xB2913A29)x B2916A34CoxBR)	7/21	7/31	15			V.E. Cry hulls 2506 Hvy pan
F3- 4117A16-2	8/23	8/30	15	Pink R		late 2507 Hvy
a very hvy row, exceptionally good stand						
F3- 4117A16-3	7/28	-S-	15			Mid-Cry hulls 2508
F3- 4117A16-4	7/23	-S-	15 reg			mid 2509
F3- 4117A16-5	8/26	8/30	15 reg	R		2510
quite similar to 2507 Hvy, tall,						
F3- 4117A16-6	7/27	-S-	15 reg			2511
F3- 4117A16-7	7/26	-S	15 reg			2512

	DATES: HEADING / 1ST FULL	DATES: FULL / RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-4117A22-1 F1(BR-41 x B2913A29) B2916A34 Co x BR 2513	7/27	- S	20			
F3-4117A22-2 do 2514	7/27	- 8/9	15			
F3-4117A22-3 do 2515	7/26	- S	15			
F3-4117A23-1, F1-401A (BR-41 x B2913A29) x (B2916A34) 2516	7/29	- S	15			
F3-4117A25-1, F1-401A (BR-41 x B2913A29) x (B2916A34) 2517	7/26	- 8/5	15			E
F3-4117A25-2, (K x H) do BR, ck late? 2518	7/28	- S	20 very			
F3-4117A25-3 do 2519	7/29	- 8/8	20 Prob. R.			E
B3710A1-15, (K x H) x BR, ck. 2248 2520	8/17	- 8/24	10			

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL		RIPE	H.O.	Cerco-spora	White Tip
				F, 401A(BR-41 x B2913A29) x (B2916A34)		
F3 - 4117A25-4				15		E-(O x BR type) 2521
Easily threshed in 42 7/24 - 8/3						
3 - 4117A25-5 7/29 - S -				do 20		late? 2522
3 4117A25-6 7/26 - S -				do 20		E 2523
F3 4117A25-7 7/22 - 8/1				do 15		mid 2524
F3 4117A25-8 8/27 - 9/4				do 15	S	2525
3 4117A25-9 7/23 - S -				do 15		2526
3 4117A25-10 7/28 - S -				do 15		2527
3 4117A25-11 7/25 - S -				do 10		mid 2528

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cercospora	White Tip	
			F1 401A (BR-4 x B2913A29) x B2916A34)			
2529	F3-4117A31-1, easily threshed in '42 7/19-S-		20		V.E.	
2530	F3-4117A31-2, 7/22-8/1	do	15 +eg		E	
2531	F3-4117A31-3 easily threshed in '42 7/24-S-	do	15			
2532	F3-4117A31-4 7/28-S-	do	15			
2533	F3-4117A31-5 7/30-S-	do	20			
2534	F3-4117A34-1, F1-401A (BR-4 x B2913A29) x B2916A34 7/24-S-		15		E	
2535	F3-4117A35-1, F1 401A (BR-4 x B2913A29) x B2916A34 7/25-S.		15			
2536	F3 4117A35-2, 7/25-S	do	15 eg			

DATES HEADING 1ST	DATES FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3-4117A35-3, F, 401A(BR-41xB2913A29)xB2916A34						
7/26	-5-		15			2537
F3-4117A35-4			do	15 prick seg		2538
8/16	-	8/24				
Very good grain type, productive						Do
F3-4117A35-5			do	15		2539
7/28	-5-					
B2913A29, CO x BR, CK						
8 7/24	-	8/4		15		2540
F3-4117A35-6, F, 401A(BR-4xB2913A29)xB2916A34						
7/26	-5-			15		2541
F3-4117A35-7			do	15 seg		2542
8/21	-	8/30				
F3-4117A35-8			do			2543
7/27	-5-			15		
F3-4117A35-9			do			E 2544
7/25	-5-			15		

	DATES: HEADING / 1st FULL	FULL / RIPE	DISEASES: H.O.	Cercospora	White Tip	
			F_1-401A(BR-41 x B2913A29) x B2916A3			
F3-4117A35-10 2545	7/25 - 5 -		15			E
F3-4117A35-11 2546	8/16 - 8/26		do 15 seg 3			E-short plant
F3-4117A35-12 2547	8/15 - 8/24		do 15 seg R			E
(Pan)	Short straw. Uniform, V. good grain earlier than BR.					
F3-4117A35-13 2548	7/25 - 5 -		do 15 seg			E-Cry hulls
	easily threshed in '42.					
F3-4117A38-1, F_1-401A(BR-41 x B2913A29) x B2916A34) 2549	7/24 - 8/3		15			E
	End plant is very good - Has cry hulls. Same usual					
F3-4117A38-2 2550	7/25 - 5 -		do 15 seg			E-Cry hulls
F3-4117A38-3 2551	7/29 - 5 -		do 20			E-Cry hulls
F3-4117A38-4 2552	8/15 - 8/24		do 20 R			E-Cry hulls
	Highly productive now, one of best					
Pr	Pattern short straw		Adv			

	DATES			DISEASES		
	HEADING 1ST	HEADING FULL	RIPE	H.O.	Cercospora	White Tip
			F, 401A(BR-41 x B2913A29) x B2916A34			
F3-4117A38-5,	7/16-	7/27		20 deg R		E 2553 Nr pan
F3-4117A39-1, F, 401A(BR-41 x B2913A29) x B2916A34	8/16	8/24				2554 Pan
F3-4117A39-2	7/20-	7/30	do	15 deg		V. Early 2555
F3-4117A39-3	7/24-	5-	do	15		E 2556
F3-4117A41-1 early threshed in '42	7/17-	5-	do	15	E	2557
F3-4117A45-1, F, 401A(BR-41 x B2913A29) x B2916A34	7/22-	5-		15		2558
F3-4117A48-1	7/21	7/31	do	15 deg		V. early 2559
6 B2916A34, E x BR, ck.	7/29	8/9		15		2560

	DATES			DISEASES	
	HEADING	FULL			
	1ST FULL	RIPE	H.O.	Cerco-sporaella	White Blp.
			F,401A(BR-41x B2913A29)x B2916A34		
F3-4117A48-2, 2561	7/23 - 8/2			15	V. early
F3-4117A48-3, 2562	7/22 - S -		do	15	late?
F3-4117A48-4, 2563	7/28 - S -		do	15	early
F3-4117A48-5, 2564	7/26 - S -		do	15	
F3-4117A48-6 2565	7/25 - S -		do	20	mid
F3-4117A48-7 2566	7/27 - S -		do	20	
F3-4117A48-8 2567	8/23 - 8/30		do	20	
F3-4117A48-9 2568	8/21 - 8/29		do	20	

	DATES			DISEASES		
	HEADING 1ST	HEADING FULL	RIPE	H.O.	Cercospora	White Tip
F3-4117A52-1						
F401A(BR-41 x B2913A29) x B2916A34						
2569				20		late
7/30-S-						
F3-4117A52-2				do		Co-Mod S-early
2570				20		
7/23-S						
F3-4117A52-3				do		
2571				20		
7/25-S-						
F3-4117A53-1						
F401A(BR-41 x B2913A29) x B2916A34						
2572				20		
7/25-S-						
F3-4117A53-2				do		
2573				20		
7/14-S-						
F3-4117A53-3				do		
2574				20		
9/25-S-						
F3-4117A53-4				do		
2575				20		
8/23-8/31						
F3-4117A53-5				do		
2576				20		
7/18-S-						

	DATES HEADING 1ST FULL	DATES HEADING FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
			F1-401A (BR-41 x B2913A29) x B2916A34			
F3-4117A 53+54-1 2577	8/25	9/1	20			Very hvy plant
F3-4117A 53+54-2 2578	7/26	-5-	20			late
F3-4117A 53+54-3 2579	7/29	-5-	20			late
Early Prolific, ck. 2580	7/21	7/31	10			~~late~~ 14
F3-4117A 53+54-4, F1-401A (BR-41 x B2913A29) x B2916A3 2581	7/29	-5-	20			late
F3-4117A 53+54-5 2582	7/25	8/4	20			early
F3-4117A 53+54-6 2583	7/28	-5-	20			mid
F3-4117A 55-1, F1-401A (BR-41 x B2913A29) x B2916A3 2584	7/30	-5	20			

DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H O Cerco-Spora	DISEASES White Tip	
F3-4117A55-2					late 2585
7/24	-5-		15 seg		
F3-4117A55-3			do		early 2586
7/24	-5-		20		
F3-4117A55-4			do		late? 2587
8/16	-8/24		20		
F3-4117A55-5			do		late 2588
8/16	-8/24		20 (Prob Seg)		
Very uniform lot, not as tall as BR					Nu
F3-4117A57-1, F1-401A(BR-41 x B2913A29) x B2916A34					early 2589
7/25	-8/4		20		Nu
			Seg ?		Pan
F3-4117A57-2			do		early 2590
easily threshed in '42			20		
7/28	-8/7				
F3-4117A57-3			do		v. late 2591
8/25	-9/1		20		
F3-4117A59-1			do		late? 2592
8/31	-8/30		15 seg		

DATES			DISEASES		
HEADING	FULL				
1ST FULL	RIPE	H.O.	Cercospora	White Tip	

F_1-401A(BR-4xB2913A29)x(B2916A34

F3-4117A59-2 late?
2593 7/24 -S 15 seg

F3-4117A60-1, F_1-401A(BR-4xB2913A29)xB2916A34 early
2594 7/24 - 8/3 R
Hw row

F3-4117A60-2 do early
2595 7/25 - 8/4 no R
Hw row Very stiff stray Clean.
Are of very best, grown in light

F3-4117A62-1 do 20 late?
2596 8/17 - 8/28
Very long boy heads.

F3-4117A62-2 do early
2597 7/19 -S- 20 seg

F3-4117A62-3 do (Cor BR type) early
2598 early threshed in '42 15 seg
7/18 - 7/28
Uniform heading, long-grain type, very good

F3-4117A62-4 do early
2599 7/23 -S 15 seg

Blue Rose-41, CK. 166
2600 7/28 -S 10

	DATES HEADING 1ST	DATES FULL	DATES RIPE	H.O.	DISEASES Cercospora	DISEASES White Top	
F3-4117A62-5 (F3-401A(BR-41 x B2913A29) x (B2916A34)	7/27	-S-			15	early	Cry bulla 2601
F3-4117A62-6	7/18	-S-		do	15	early	Cry bulla 2602
F3-4117A62-7 (early thrashed in '42)	7/19	-S-		do (Cox BR type)	15	early	Cry bulla 2603
F3-4117A62-8	7/14	-S-		do	15 deg	early	Cry bulla 2604
F3-4117A62-9	7/24	-S-		do	15	late	2605
F3-4117A62-10	7/19		7/29	do	15	early	2606
F3-4117A62-11	7/23	-S-		do	15	mid	2607
F3-4117A62-12	7/21	-S-		do	15	mid	2608

DATES HEADING 1ST FULL	DATES FULL RIPE	H.O.	DISEASES Cerco-White spot Tip	
		F1-401A (BR-41 x B2913A29) x B2916A34		
F3-4117A59-3 2609 8/20 - 8/28		15		late
F3-4117A63-1 2610 7/26 - 8/5 (pan)		do 15 seg		early
F3-4117A63-2 2611 7/24 - 8/3		do 20		early
F3-4117A63-3 2612 7/22 - 5		do 15		early
F3-4117A63-4 2613 7/20 - 5		do 15		E-mid
F3-4117A63-5 2614 7/19 - 5		do easily threshed in '42 20		mid
F3-4117A63-6 2615 7/24 - 8/3		do easily threshed in '42 20		E-mid
F3-4117A63-7 2616 8/19 - 8/28		do 20		mid

	DATES HEADING 1ST FULL	DATES HEADING FULL	DATES RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3 - 4117A63-8	7/21	-5-			15 seg		F_1-401A(BR-41xB2913A29)xB2916A34 mid 2617
F3 - 4117A63-9	8/19	- 8/28		do	20	R	mid 2618
v. long row, uniform. less dead leaves than some.							Hu
F3 - 4117A63-10				do	20		mid 2619
osely threshed in '42	7/21	-5-					
B3712A1-7, 38	8/20	8/28		ck. (KxH)xBR.	15		2620
F3 - 4117A63-11	8/16	- 8/24		F_1-401A(BR-41xB2913A29)xB2916A34	15		late 2621
							Hu
F3 - 4117A63-12	8/22	- 8/29		do	15		late 2622
E 3326 F6-3722A1-5-1, FxBR	8/5	- 8/14			15		2623
E 3327 F6-3722A1-8-1, FxBR	7/30	- 8/9			10		2624

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cercospora	White Tip	
2625	F_6-3722A1-3-1, FxBR 7/27 - 8/8		15			E 3325
2626	F_6-3722A1-13-1, FxBR 8/3 - 8/13		5			E 3328
2627	F_6-3722A1-19-4, FxBR 7/30 - 8/9		15			E 3330
2628	F_6-3722A1-22-1, FxBR 8/1 - 8/11		15			E 2126
2629	F_6-3722A1-23-3, FxBR 7/31 - S.		15			E 3334
2630	F_6-3722A1-30-3, FxBR 8/7 - 8/17		15 avg			3339
2631	do 7/27 - 8/8		10			E ✓
2632	F_6-3722A1-30-3, FxBR 7/21 - 7/31		10			E 3341

	DATES HEADING	1ST FULL	RIPE	DISEASES H.O.	Cerco-spora	White Tip	
E F6-3722A1-32-1, FxBR 3344	7/20	– 7/30			10		2633
E F6-3722A1-34-2, FxBR 3347	7/25	— 8/4			10		2634
E do 3348	7/26	– 8/5			15		2635
E F6-3722A1-35-1, FxBR 3351	7/27	– 8/6			15		2636
E do 3352	8/10	– 8/18			10		2637 3 pan
E F6-3722A1-36-1, FxBR 3358	7/27	– 8/6			15		2638
E F6-3722A1-40-1, FxBR 3363	7/28	– 8/7			10		2639
~~E~~ Zenith, ck. #3	7/23	– 8/2			10		2640

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
2641	F6-3722A1-40-1, FxBR 7/28	— 8/9		10		E 3365
2642	F6-3722A1-42-4, FxBR 8/3	— 8/12		10		E 3371
2643	F6-3722A1-48-2, FxBR 8/8	— 8/18		15		E 3382
2644	F6-3722A1-50-3, FxBR 7/29	— 8/9		15		E 3391
2645	F6-3722A1-50-3, FxBR 7/13	—S—		10		E 3395
2646	F6-3722A1-191-1, FxBR 8/6	— 8/15		15		E 3397
2647	F6-3722A1-51-1, FxBR 8/7	— 8/15		10		E 3407
2648	do 8/5	— 8/13		10		E ✓

10/5 Very slender straw, still standing very well on 10/2/43

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
E 3408	F6-3722A1-51-3, FxBR 8/4	8/14	6			2649
E 3409	F6-3722A1-52-5, FxBR 8/6	8/16	10			2650
	buff, sturdy straw, still standing very well on 10/2/43					Hen row
E 3410	do 8/5	8/15	10			2651
E 3411	do 7/31	8/10	10			2652
E 3412	do 8/9	8/18	15			2653
E 3416	F6-3722A1-64-1, FxBR 8/2	8/18	15			2654
E 3436	F6-3722A1-81-1, FxBR 7/22	7/31	20			2655
	F3-3722A1-93 (from storage)					2656

	DATES			DISEASES	
	HEADING 1ST FULL	FULL RIPE	H. O.	Cerco-spora	White Tip
2657	F3 - 3722A 1-93 (from cold storage) (Skip)				
2658	F6-3722A1-93-1, FxBR 7/25 - 8/2		15		E - Co = th 3443
2659	very clear endosperm (prob. segregating) 7/25 - 8/3		15		E 3444
2660	Early Prolific, ck. 7/19 - 7/29		10		E 14
2661	F6-3722A1-93-1, FxBR 7/25 - 8/3		15		E - Co = dk 3444
2662	do 7/23 - 8/1		15		E 3444
2663	do 7/29 - 8/8		15		E - Co = th 3446
2664	do 7/22 - 7/31		15		E - Co = o 3448

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
8	B3722A1-93, FxBR 7/27	8/6	20			2665
E 450	F6-3722A1-126-1, FxBR 7/21	7/31	10 cy			2666
E 462	F6-3722A1-142-5, FxBR 7/25	8/4	15			2667
E	do 7/25	8/4	15			2668
E 463	F6-3722A1-204-5, FxBR 8/3	8/13	10			2669
464	F6-3722A1-218-1, FxBR 8/5	8/15	15			2670
E 368 or 468	? possibly 8/11	8/21	5			2671
E 470	F6-3722A1-227-6, FxBR 7/18	7/28	15			2672

	DATES HEADING 1ST FULL	FULL RIPE	DISEASES H.O.	Cercospora	White Tip	
2673	F6-3722A1-51-4, F x BR standing up better than other rows 7/26 -S-		15			E 3482
2674	F5-386A5-1, F_1(D x R) x F_1(Cdy x BR) 8/26 - 9/4		15			3729
2675	F5-386A3-4, F_1(D x R) x F_1(Cdy x BR) 7/18 -S-		15			3730
2676	F5-386A1-1, F_1(D x R) x F_1(Cdy x BR) 8/21 -S-		20			3734
2677	do 7/18 -S-		5			✓
2678	F5-386A-P1-5, F_1(D x R) x F_1(Cdy x BR) Co = R 8/16 - 8/17		10			3741
2679	F5 381DA17-1, F_1(S x EP) x F_1(CA x Cdy) 7/17 - 7/27 Ht row a very good Cdy BR type		5			3756
2680	Lady Wright, ck. 7/20 - 7/30		10			4 ~~3755~~

	DATES HEADING 1ST FULL	DATES HEADING FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
	F5-3810A17-1, F1(S×EP)×F1(CA×Cdy)					
757	7/16	7/23		5		2681
	a very good Cox BR Type					1 in / row
0=R	F5-3810A17-2, F1(S×EP)×F1(CA×Cdy)					
759	8/6	8/16		20		2682
0=R	F5-3810A17-3 F1(S×EP)×F1(CA×Cdy)					
761	8/23	8/30		10		2683
	do					
✓	8/26	9/7		10		2684
0=R	do					
766	8/11	8/21		5		2685
	a very good Kanrose type					1 in / row
767	worst for shattering of any rice ever observed.					2686
	8/8	-S-		5		
	long-grain					
	F5-3810A17-4, F1(S×EP)×F1(CA×Cdy)					
767	7/17	-S		10 seg		2687
	as bad as 2686 for shatt.					
	med-gr.					
	F5-3926A17-1, F1(S×EP)×F1(CA×Cdy)					
770	7/19	-S		10		2688

	DATES			DISEASES	
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip
	F5-3926A7-3 F1(SxEP)xF1(CAxCdy)				Co=R
2689	8/23 - 8/31		15 seg		3772
	do				
2690	8/21 - 8/28		15		3772
	do				
2691	8/22 - 8/29				✓
	F5-3810A5-3, F1(SxEP)xF1(CAxCdy)				
2692	8/25 - S		15		3779
	F5-3810A7-2, F1(SxEP)xF1(CAxCdy)				
2693	8/17 - 8/27		5 seg		3782
	F5-3810A7-3, F1(SxEP)xF1(CAxCdy)				Co=R
2694	8/21 - 8/28		15		3783
	F5-3810A9-3, F1(SxEP)xF1(CAxCdy)				
2695	Sent to J.W.J. Minter of 1942-43 for use as a smooth parent in crosses with Caloro, etc. 8/29 - 9/6		5		3785
	do				Co=R
2696	8/27 - 9/5		10		3786

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
790	F5-3810A17-1, F1(S x EP) x F1(CA x Cdy) 8/26	9/5		15		2697
793	F5-3810A17-3, F1(S x EP) x F1(CA x Cdy) 8/26	9/4		5		2698
795	F6-3812A1-2, (1645 x 5309) x AL-11 8/8	8/19		5		2699
62	Caloro, ck. 7/29	8/10		5		2700
798	F6-3812A1-4, (1645 x 5309) x AL-11 7/27	8/9		5R-S		2701
797	F6-3812A1-2, (1645 x 5309) x AL-11 7/25	8/4		5R-S		2702
799	8/7	8/17		5R-S	R	2703
	a good HO Resistant long-grain line					1 Hu row
late 787	F7-3723B39-6, F1(Co x Cob) x BR 8/15	S		10		2704

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
2705	F7-3723B39-10, F1 (Co x Cub) x BR 8/1	-S-	5			mid 3689
2706	7/29	-S-	15			late ✓
2707	F7-3723B39-14, F1 (Co x Cub) x BR 8/11	-S-	15			Co = mod S 3691
2708	F7-3723B39-15, F1 (Co x Cub) x BR 8/15	- 8/24	15			late CO = R 3692
2709	do 8/15	-S	15		off-type	CO = R 3693
2710	F7-3723B39-20, F1 (Co x Cub) x BR 8/29	- 9/6	15			late - CO = R 3694
2711	do 9/3	- 9/9	15			late - CO = R ✓
2712	F7-3723B39-23 F1 (Co x Cub) x BR Possibly a Nall Cross in 1942 8/17	-S-	15			CO = R 3695

DATES			DISEASES		
HEADING 1ST	FULL	FULL RIPE	H.O.	Cercospora	White Tip	
D=R F7-3723B39-23, F1(Co x Cub) x BR 95 Possibly a Natl Cross in 1942.					2713
8/10 -5-				15	
D=R F7-3723B39-26, F1(Co x Cub) x BR 696 8/23 -5				15	2714
D=R-late do 697 8/10 - 8/20				20	2715
D=R-late do 697 8/19 - 8/24				15	2716
D=R-late do 8/23 - 8/30				15	2717
D=R-late do 698 8/2 -5				15	2718
D=R-late do 8/20 - 8/27				15	2719
Blue Rose, ck. 60 8/18 - 8/27				15	2720

	DATES HEADING	DATES 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
2721	F7-3723B39-31, F_1 (Co x Cub) x BR	8/24	8/30	15			CO = R lots 3701
2722	F7-3723B39-33, F_1 (Co x Cub) x BR	8/29	9/5	10			CO = R. 3702
2723	F7-3725B38-5-1, F_1 (Co x Cub) x B	8/29	9/5	15			~~CO = R.~~ 3703.
2724	do	8/28	9/4	15			CO = R. 3704
2725	F7-3725B38-5-1, F_1 (Co x Cub) x B	8/29	9/5	15			CO = R. 3705
2726	F7-3726B39-10-3, F_1 (Co x Cub) x C	8/16	8/24	15 dry			CO = R. 3711
	Very good Uniform, type, very clean strong Jap type but very inst. Outstanding						
2727	F4-3940C1, F_1 (Co x Cub) x Umbrosa	8/13	5	5			3717
2728	F4-3940C2 do	7/26	5.	5			3718

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F4-3940C2, F1 (Cox Cub) x Unknown						
718	7/22	-S-		5		2729
F4-3940C3 do						
719	7/31	-S-		10		2730
F4-3941A1-F1 (Cox Cub) x (IBR x F)						
721	8/17	-S-		10		2731
F4-3941A3-F1 (Cox Cub) x (IBR x F)						
723	8/17	-S-		10		2732
✓	9/6	do		5		2733
✓	9/6	do		5		2734
F4-3942A2-F1 (Cox Cub) x (SP x SJ)						
725	8/8	-S-		5		2735
✓	8/6	do -S		5		2736

	DATES			DISEASES	
	HEADING	FULL			
	1ST FULL	RIPE	H.O.	Cerco-sporu White Tip	
	F4-3942A2-F1 (Co x Cub) x (SP x SJ)				
2737	7/25 - S-		5-		3725
	F4-3942A4-F1 (Co x Cub) x (SP x SJ)				
2738	8/5 - S.		5-		3727
2739	do 8/30 - 9/8		5-		✓
	B3710A1-15, (K x H) x BR, ⊂K.				
2740	8/15 - 8/24		10		~~2248~~
	F4-3942A5-F1 (Co x Cub) x (SP x SJ)				
2741	8/1 - S		5		3728
2742	Variable grain size within panicle in 1942 8/17 - S-		10		✓
	B383B42-1			BR or earlier	
2743	8/31 - 9/7		5		
	Blue Rose			CO = P	
2744	8/26 - 9/3		10		252

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip		
BK Sel (gold-bud) plots	8/16	8/26		10-15		CO=R	2745
BK rogue	8/22	8/28		10			2746
CO=R 014	8/22	8/29		5		Blue Rose (1939 Sel)	2747
CO=R 015	8/20	8/30		5		Imp. Blue Rose (1936 Sel)	2748
017	8/18	8/27		5		F6-Imp. Blue Rose (1936 Sel)	2749
CO=R 618	8/24	5		5		B337B3918, 7482 x 5094	2750
CO=R ✓	8/23	8/31		10		do	2751
CO=R late 652	8/20	8/28		10		Blue Rose Sel.	2752

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	DATES: HEADING	DATES: 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
2753	BR-S-15-1-2-1-1-1	9/1	9/8	10			CO=R 2653
2754	Imp Blue Rose (1936 Sel)	8/16	8/24	5			CO=R 2657
2755	do	8/17	8/27	5			CO=R 2658
2756	do	8/1	-5-	5			CO=R 2659
2757	Smooth hulls Short plants on 8/10	9/6		5			CO=R 2663
2758	Blue Rose (1936 Sel) Short plants on 8/10	9/1	9/8	5			CO=R 2665
2759	long-grain, BR type excellent texture in 1942	8/25	8/29	15 say			CO=R 2670
2760	Blue Rose, ck.	8/20	8/28	10			160

	DATES			DISEASES			
	HEADING		FULL				
	1ST	FULL	RIPE	H.O.	Cerco-spora	White Tip	
CD = R. Blue Rose (1941 Red tips)							
674	8/23	– 8/29		10			2761
CD = R do							
674	8/21	– 8/27		10			2762
CD = R do							
675	8/22	– 8/28		5			2763
CD = R do							
676	8/19	– 8/28		5			2764
CD = R do							
✓	8/20	– 8/27		5			2765
CD = R. do							
681	8/27	– 8/28		10			2766
CD = R do							
✓	8/23	– 8/29		5			2767
CD = R Blue Rose (Wilfert 1940)							
683	8/31	– 9/1		10			2768

	DATES: HEADING / 1ST FULL	DATES: FULL / RIPE	DISEASES: H.O.	DISEASES: Cerco-spora	DISEASES: White Tip	
	Blue Rose (Wilfert 1940)					CO=R
2769	8/31	9/7	10,			2683
	do					CO=R
2770	easily threshed in 1942 8/31	9/7	5			2684
	do					CO=R
2771	9/1	9/7	10			2685
	do.					CO=R
2772	easily threshed in 1942 9/1	9/8	10			✓
	do					CO-R
2773	easily threshed in 1942 8/31	9/7	10 R			✓
Bu	Tall like Mira, rough, long-grain should be highly productive. Similar strain grown in 1943 single plot.					
	Blue Rose (Wilfert '40)					Mid G
2774	clear texture, than an early sel. 7/30	8/11	10			2635-1
	do					E-CO=R.
2775	very clear texture in 1942 7/27	8/8	10			2635-2
	do					E-CO=R.
2776	7/25	8/5	10 R			2635
Bu/nw						

	DATES					
	HEADING 1ST	HEADING FULL	FULL RIPE	DISEASES H.O.	Cercospora	White Tip	
Mid Blue Rose (Wilfert '40) 635	8/1	8/10		10			2777
Co=R-E do 636-1	8/2	8/13		10			2778
Mid do 636	7/30	8/9		10			2779
B3712A1-7, (K×H)×BR, <K. 38	8/16	8/24		5			2780
Mid Blue Rose (Wilfert '40) 636	8/2	8/12		10			2781
Co=R do 637	7/26	8/5		10			2782
Co=R-E do ✓	7/24	8/3		10			2783
E-Co=R do ✓	7/25	8/4		10			2784

	DATES			DISEASES		
	HEADING	1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip
	Blue Rose (Wit Fert '40)					Mid
2785	7/24 - 8/3			10		2637
	do					Mid
2786	7/20 - 5 -			10		✓
	do					Mid
2787	7/26 - 8/5			10		✓
	Blue Rose (Wit Fert '40)					Mid
2788	7/21 - 7/31			10		2637
	Bruinmissie (1936 Sel.)					CO=R
2789	8/21 - 8/28			10		2689
	Nw Heavier strain than others on 9/25					
	do					CO=R
2790	8/25 - 8/31			10		2691
	do					CO=R
2791	8/25 - 9/4			10		2692
	Bl-Rose Sel. (smooth in 1942)					102
2792				10		
	Nw narrower leaves than 2789-91 + 2793 More upright growth			same origin as plot 340		
	8/20 - 8/28					

	DATES: HEADING 1ST	DATES: FULL	DATES: FULL RIPE	H.O.	DISEASES: Cercospora	DISEASES: White Tip	
CO=R Brunn Missie (1936 Sel)							
693 smooth				10			2793
	8/21		8/29				
4" taller, heavier straw, & shorter grain than 2792, Brit. more productive.							Hv
Blue Rose Field Plot Rogues Co=R							
695 (smooth in 1942)				10			2794
Looks like typical BR on 8/11/43							
	8/22		8/29	Short heads, Seg gold smooth			
BR rogue type do							
✓ smooth, gold Co=R in 1942							2795
Looks like typical BR on 8/11/43							
	8/26		9/2	gold hulls, some good length heads, some short, good straw.			
CO=R do							
701 (shattered)				10			2796
	8/10		8/20				
CO=R do							
702 (Very stiff straw in 1942)				10			2797
	8/11		S				
1941 Blue Rose Field Plot Rogues Co=R							
705 (Gold hulls Co=R)				10			2798
	7/25		S				
CO=R do							
718	8/16		S	10			2799
Blue Rose, ck.							
160	8/22		8/28	10			2800

	DATES		DISEASES			
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip	
3958H1-1 (Orig. Plant) (20 Seeds)						
2801	normal 8/22 - 8/28		13			M-21
2802	do normal 8/22 - 8/28		13			✓
2803	do normal 8/22 - 8/28		20			✓
2804	do normal 8/21 - 8/28		20			✓
2805	do normal 8/21 - 8/28		13			✓
2806	do normal 8/21 - 8/28		13			✓
2807	do normal 8/22 - 8/28		13			✓
2808	do normal 8/22 - 8/28					✓

all appear normal

	DATES			DISEASES			
	HEADING 1ST	HEADING FULL	FULL RIPE	H.O.	Cerco-spora	White Tip	
	4032 H3-3 (Many Seeds)						
-39	small seeded 8/22 - 8/28			20			2809
	do						
✓	small seeded 8/22 - 8/28			20			2810
	do						
✓	small seeded 8/22 - 8/28			20			2811
	do						
1-42	sterile 8/20 - 8/27			20			2812
	a number of steriles in row mostly normal						
	do						
✓	sterile 8/21 - 8/28			20			2813
	Same as 2812						
	do						
✓	sterile 8/23 - 8/29			20			2814
	Same as 2812						
	very short plant in north half of row Same						
	Failed to set seed						
	do						
✓	sterile 8/21 - 8/25			20 very			2815
	do						
✓	sterile 8/21 - 8/29			20			2816

	DATES: HEADING / 1ST FULL	FULL / RIPE	DISEASES: H.O.	Cercospora	White Tip	
2817	4032H-9 sterile 8/21 – 8/28		20 mostly sterile			M-42
	A number of trisomic like plants are present.					
2818	F8-B34A39-47-D1, BR x 5309 8/24 – 8/30		10			2855
	Very floury much shorter than original line. Substitute for original line which is badly mixed.					
2819	F8 B34A39-47-D2, BR x 5309 8/25 – 8/30		10 dig			2856
2820	B3710A1-15, (K x H) x BR, CK. 8/16 – 8/24		15 dig			2248
2821	F8 B34A39-47, BR x 5309 8/26 – 9/2		15 dig			2859
2822	F8 B34A39-47, BR x 5309 Shorter-grain than average probably no floury 8/25 – 8/31		10 dig			2861
2823	B34A39-47, BR x 5309 8/29 – 9/5		15			107
2824	F9-B34H-66-1 (1645 x 5309) 8/26 – 9/4		15			2862

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE		H.O.	Cerco-spora	White Tip	
	41-3282, BR (Smooth)						
1-64	8/14	8/28	Cross 4112A	10		2	2825
✓	do 8/15	5		5		1	2826
✓	do 8/16	5		5		3	2827
✓	do 8/15	5		10 seg		3 Very Lanose type	2828
	F3 - 4112 A1-1, (41-3282 BR x BR-41) tr						
	Seg Rough-Smooth 8/15	8/24		15 seg			2829
✓	F3 - 4112 A1-2, (41-3282 BR x BR-41), Seg Rough-Smooth 8/16	8/24		10 seg		1	2830
✓	F3 - 4112 A1-3, (41-3282 BR x BR-41), Seg Rough-Smooth 8/15	8/24		10 seg		1	2831
	F3 - 4112 A5-1, (41-3282 BR x BR-41) tr Smooth 8/16	8/24		15 seg			2832

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-Sporia	White Np	
F3 - 4112A 5-2 (41-3282BR x BR-41) 2833	Leg - Rough - Smooth 8/22 - 8/30		15 leg		1	
F3 - 4112A5-3 (41-3282BR x BR-41) 2834	Pick all rough 8/11 - 8/27		15 leg		0	✓
F3 - 4112A5-4, 2835	Pick All rough 8/19 - 8/28	do	20 leg		0	✓
F3 - 4112A5-5, 2836	Leg rough smooth 8/19 - 8/28 Very good now on 8/11	do 20			0	✓
F3 - 4112A5-6, 2837	All smooth now 8/15 - 8/24	do	15		0	✓
F3 - 4112A5-7 2838	Pick All rough 8/16 - 8/26	do	15		2	✓
F3 4112A5-8 2839	All smooth 8/19 - 8/28 Taller than Bk on 8/11 Very good	do	20		0	✓
Blue Rose, Ck. 2840	8/22 - 8/28		20		0	160

DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3 - 4112A5-9, (41-3282BR x BR-41) Prolific rough 8/17 - 5 -			15	1	2841
F3 - 4112A5-10 ✓ all rough 8/16 - 5 -		do	15	3	2842
F3 4112A5-11 ✓ Seg Rough. Smooth 8/15 - 5		do	15	2 Seg	2843
rogue ~~in '42~~ 23 8/16 - 5 -		B341B40-10, CA x F	15		2844
rogue in '42 23 8/11 - 5 - Very good		B341B40-10, CA x F	15		2845
'O = R 2595 Acadia rogue looks like BR on 8/12 8/17 - 8/26 Earlier than BR. Vaughan erect stem V. good.			10		2846 Nu
'ste - CO = R 615 8/23 - 9/30 V. wide leaves on 8/12, Fortuna growth habit		Fortuna x Red	20		2847
CO = R 36MS-1-7-1-3 Med x Short 2731 easily threshed in '42 9/2 - 9/9			10		2848

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F5-386A1-1, F1(D×R)×F1(Cdy×BR)						
2849	8/22	8/30	15			3734
36MS-1-7-2-1 Med×Short						
2850	9/2	9/9	10			2735
36MS-1-7-2-1, Med×Short						
2851	8/29	9/4	10			2737
do						
2852	9/3	9/9	10			2738
do						
2853	9/3		15			2739
do						
2854	1942 sel from Long × Med-bulk plot 9/2	9/9	20 bad.			
2855	8/31	9/7	35			
2856	8/17	8/27	20			

DATES			DISEASES		
HEADING 1ST	HEADING FULL	FULL RIPE	H.O.	Cerco-spora	White Tip	
late CO-0 F4-401A3(BR41xB2913A29)						
+208	8/15	8/24		15 seg		2857
CO-0 late F4-401A11(BR41xB2913A29)						
+216	7/24	-S		15 seg R		2858
CO-0 late do						
V	7/23	-S		15 seg		2859
Blue Rose-41, Ck.						
66	8/17	-8/26		10		2860
CO-0 401A15						
+221	Nall Cross in 1942			15		2861
	8/6	-S-				
CO-0 V. late 401A21(BR-41xB2913A29)						
+227	Nall Cross in 1942					2862
	7/16	-S		10		
late CO-v little 401A26(BR-41xB2913A29)						
+232	8/15	8/24		15 seg		2863
late-CO-R 401A28(BRxB2913A29)						
+234	7/19	-S		10		2864

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip	
2865	7/30 - S -		20			F4-401A39(BR-41xB2913A29) late CO=VerR 4246
2866	7/31 - S -		15			F4-401A40(BR-41xB2913A29) late-CO=VeryR 4247
2867	8/17 - 8/26		20			F4-401A44(BR-41xB2913A29) late-CO=VeryR 4251
2868	8/22 - 8/26		20			F4-401A45(BR-41xB2913A29) late-CO=VeryR 4252
2869	8/22 - 8/26		20			do late-CO=VeryR 4252
2870	8/21 - 8/25		20			do late CO=VeryR 4252
	v. long good plant					all 3 are numbers
2871	8/9 - 8/26		20			F4-401A51(BR-41xB2913A29) CO=R 4258
2872	8/16 - 8/24		20	S		do CO=S ✓

	DATES HEADING 1ST FULL	DATES HEADING FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
CO=R F4-401A51 (BR-41 x B2913A29)						
258	8/18	8/27	20	Seg		2873
CO=R	do 8/17	8/26	20	R		2874
CO=R	do 8/20	8/28	20			2875
CO=S	do 8/19	8/27	20	Seg		2876
CO=S	do 8/20	8/28	20	Seg		2877
CO=S	do 8/19	8/26	20	Seg		2878
CO=R	do 8/17	8/27	20			2879
B3712 A1-7 (K x H) x BR						
38	8/16	8/28	15			2880

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
2881	F4-401A66(BR-41xB2913A29) 7/29 - 5 -		10		late - CO = R	4274
2882	F4-401A54(BR-41xB2913A29) 7/21 - 5		15		late - CO = Very R	4262
2883	F4-401A73(BR-41xB2913A29) 8/17 - 8/28		10		late - CO = VR.	4282
2884	401A92 8/16 - 8/21	do	20		late - CO = R.	4302
	Hm					
2885	401A103(BR-41xB2913A29) Very good qual in 1942 8/12 - 5 -		5		late - CO = R	4313
2886	401A104(BR-41xB2913A29) Shorter plant wider leaves than others on 8/12 8/22 - 8/29		20		late CO = R	4314
2887	401A112(BR-41xB2913A29) 8/21 - 9/28		15		late CO = R	4323
2888	F4-401A319(BR-41xB2913A29) 8/24 - 9/31		20		late	4363

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cerco-White spots, Tip	
late 328	CO=R F4-401A117(BR-41xB2913A29) 8/19	8/28	15		2889 Hr
late 332	F4-401A121(BR-41xB2913A29) 8/15	8/24	20		2890
336	F4-401A125(BR-41xB2913A29) 8/15	8/24	15		2891
336	do 8/17	8/24	15	R	2892 Hr
	Rather short stem				
336	do 8/22	8/28	15		2893
late 342	F4-401A130(BR-41xB2913A29) 8/15	S	15		2894
late 363	F4-401A3-19(BR-41xB2913A29) 7/21	S	20		2895
late 369	F4-401A3-25(BR-41xB2913A29) 8/23	8/30		R	2896 Hr
	Short stem + clumsy then most shorter, prob because it is later.				

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cercospora	White Tip	
	F4-401A3-34 (BR-41 x B2913A29)					
2897	8/25 – 8/31		15			4378
2898	do		15			4378
	F4-404A1-20 (BR-41 x Early Prolific)			mid late clear		CO=R
2899	7/22 – 5		15			4419-4
	Blue Rose, ck		15			160
2900	8/22 – 8/28					
	F4-404A1-20 (BR-41 x Early Prolific)			Very early		CO=R
2901	7/23 – 5		15			4419-5
	F4-404A1-42 (BR-41 x Early Prolific)			late clear		CO=R
2902	8/16 – 8/24		15			4427-4
2903	do 8/16 – 8/24		15	late clear		CO=R 4427-5
	F4-404A1-45 (BR-41 x Early Prolific)			mid clear		CO=Prob R
2904	7/22 – 5		15			4428-4

DATES			DISEASES		
HEADING 1ST FULL	FULL RIPE		H.O.	Cerco-Sporg. White Tip	
...d - Co = prob R	F4-404A1-45 (BR-41 x Early Prolific)				
...428-5 clear			15		2305
7/25-S-					
...ato - Co = prob R	F4-404A1-46 (BR-41 x Early Prolific)				
...429-3 clear					2306
7/25-S-			15		
...ato - Co = Maples	do				
...429-4 clear					2307
7/22-S			15		
	do				
...429-5 clear	♀ parent Cross	425 A			2308
7/22 - 8/1			5		
	do				
...429-6 clear	♀ parent Cross	424A			2309
7/22 - 8/4			5		
...o = prob. S	do				
...429-7 clear	♀ Crosses	423 A & 424A			2310
7/21 - 7/31			15		
...nd Co = prob S.	F4-404A1-48 (BR-41 x Early Prolific				
...431-6 clear					2311
7/23-S-			15		
...rid - Co = prob S	F4-404A1-48 (BR-41 x Early Prolific				
...431-7 leg. endo					2312
7/23 - S-			15		

	DATES			DISEASES	
	HEADING	FULL		Cerco-	White
	1ST FULL	RIPE	H.O.	spora	Tip
2913	F4-404A1-49 (BR-41 x Early Prolific) 7/23-5		15 seg	Mid endo	Mid CO = R? 4432-2
2914	F4-404A1-49 (BR-41 x Early Prolific) 7/22-5		15 seg		Mid CO = R? endo 4432-3
2915	F4-404A1-63 (BR-41 x Early Prolific) 8/17-8/29		20 R		Mid-CO = R? clear 4436-1
2916	do 8/15-8/24		15 seg		CO = S clear 4436-2
2917	do 8/16-8/24		15 seg		Mid CO = R clear 4436-3
2918	F4-404A1-72 (BR-41 x Early Prolific) 7/23-5		15 seg		Mid-CO = R? S clear 4437-4
2919	do 7/23-5		10 seg		Mid-CO = R? clear 4437-5
2920	Blue Rose-4L CK. 8/22-8/28		15		166

DATES			DISEASES		
HEADING 1ST	FULL	FULL RIPE	H.O.	Cercospora	White Tip	
Mid - CO = R F4-404A1-73 (BR-41 x Early Prolific) 4438-2 clear 7/24-5			15			2921
Mid - CO = R do 4438-3, clear 8/19 - 8/28			10			2922
Mid - CO = RP do 4438-4 fair 7/25-5			15			2923
Late F4-404A1-42 (BR-41 x Early Prolific) 4427-1, clear 8/22 - 8/30			20			2924
Late do 4427-2, clear 8/22 - 8/30			20			2925
Late do 4427-3, clear 8/18 - 8/25			20			2926
Late F4-404A1-46 (BR-41 x Early Prolific) 4429-1, clear 8/21 - 8/29			20 tag			2927
Late do 4429-2, clear 8/22 - 8/28			20			2928

	DATES			DISEASES	
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip
2929	F4-404A1-57 (BR-41 x Early Prolific) 8/10 - 8/26		20		late clear 4434-2
2930	F4-404A1-82 (BR-41 x Early Prolific) 8/20 - 8/27		15		late clear 4444-1
2931	do 8/16 - 8/24				late clear 4444-2
2932	do 8/13 - 8/22		15		late clear 4444-3
2933	F4-404A1-55 (BR-41 x Early Prolific) 8/21 - 8/29		20		late clear 4452-1
2934	do 8/22 - 8/29		20		late clear 4452-2
2935	do 8/20 - 8/28		20		late clear 4452-3
2936	F4-404A1-58 (BR-41 x Early Prolific) 8/17 - 8/24		20		late clear 4454-1

	DATES HEADING 1ST. FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cerco-spora	DISEASES White Tip	
late F4 404A1-58 (BR-41 x Early Prolific) 454-2	8/18	8/28	20			clear 2937
late F4-404A1-60 (BR-41 x Early Prolific) 456-1	8/17	8/27	20			clear 2938
late 456-2	8/24 do	8/31	20			clear 2939
B3710A1-15, (K x H) x BR, ck 248	8/20	8/28	10			2940
F3-4044A3-1 (B323A2-8, R x SBR) x Blue Rose	7/28	8/8	20			2941
✓ F3-4044A3-2 (B323A2-8, R x SBR) x Blue Rose	8/7	8/17	20			2942
✓ F3-4044A3-3 (1 late plant)	7/30	5	20			2943
✓ F3-4044A3-4	7/23	8/2	20			2944

	DATES				DISEASES		
	HEADING	1ST FULL	FULL RIPE	H.O.	Cerco-sporn	White Tip	
F3-4044A3-5 (B323A2-8, R×SBR) × Blue Rose)							
2945	7/25	8/4		20			
F3-4045A1-1 (B323A2-8, R×SBR) × BR-41							
2946	8/3	8/13		20			
F3-4045A1-2			do				
2947	8/2	8/11		20	1		✓
F3-4045A1-3			do				
2948	7/24	8/3		20	tr		✓
F3-4045A1-4			do				
2949	7/26-5	8/12		20			✓
F3-4045A1-5			do				
2950	7/29	8/9		20			✓
F3-4045A1-6			do				
2951	7/25	8/4		15 req			✓
F4-4045A3 (B323A2-8-2-1 × BR-41)							
2952	8/25	9/3		20			4625

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cerco-spora	DISEASES White Tip	
F4-4045A3, (B323A2-8-2-1 x BR-41)						
625	8/28	9/4		20		2953
625	do 8/24	8/31		20		2954
B2911A18-1-1-F1, R x H (62-1-1)						
2145	8/24	8/31		20		2955
✓	do 8/23	8/29		20		2956
B2911A18-1-1-F1, R x H (62-1-3)						
162	8/22	8/29		20		2957
✓	do 8/22	8/29		20		2958
✓	do easily threshed in 1942	8/24	8/30	20		2959
Blue Rose, Ck,						
460	8/22	8/28		20		2960

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
	B2911A18-1-1-F1, K x H (62-1-3)					
2961	8/23 – 8/31		20			2162
2962	do 8/25 – 8/31		20			✓
	B2911A18-1-1, K x H (62-3-2)					
2963	8/21 – 8/29 Tall on 8/12		20			2175
2964	do 8/22 – 8/29 Tall on 8/12		20			✓
2965	do 8/22 – 8/31 Tall on 8/12		20			✓
2966	do 8/21 – 8/28 Tall on 8/12		20			✓
	F6-3710A1-3, (K x H) x BR					
2967	Tall on 8/12 8/11 – S		20			2196
	B3710A1-3 (K x H) x BR					Co = R
2968	8/25 – 8/31		20			261

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H. O.	DISEASES: Cerco-spora	DISEASES: White Tip	
Co=R 261	B3710A1-3(K×H)×BR						2969
Co=R ✓	8/25	8/31		20			
	8/26	8/31	do	20			2970
2234	F6-3710A1-11,(K×H)×BR						2971
	8/18	8/28		20			
2234	8/18	8/28	do	20			2972
2359	F6-3712A1-12,(K×H)×BR (short plants)						2973
	8/21	8/29		10			
2359	8/20	8/28	do	10			2974
2359	8/16	8/31	do	15			2975
2364	F6-3712A1-15,(K×H)×BR						2976
	8/17	8/27		15			

much shorter than others except 2977, some shorter than 2977. Hr

	DATES: HEADING	DATES: FULL	DATES: 1ST FULL	DATES: RIPE	DISEASES: H.Q.	DISEASES: Cercospora	DISEASES: White Tip	
2977	F6-3712A1-15, (K x H) x BR		8/23	8/30	15			2364
2978	F6-3712A1-15 (K x H) x BR		8/22	8/29	15	R		2365
2979	do		8/22	8/29	15	R		2365
	Hv most uniform. V good R.							
2980	Blue Rose-41, CK.		8/20	8/27	15			166
2981	F 3712A1-15, (K x H) x BR		8/20	8/26	10			2367
	Wider leaves than others, al lighter color on 8/22 long grain							
2982	do		8/21	8/28	15			✓
	Same as 2981							
	Hv more uniform than others							
2983	do		8/18	8/28	10			✓
	Same as 2981							
2984	C4016A (Kamrose-27 x BR-41)		8/12	8/19	20			C3957

Rows 2984 - 3011 are B 4016A (B2912A47 x BR-41) and are F4 lines from Crowley, La. 62
Very resistant plants inoculated with all CO races.

	HEADING 1ST	HEADING FULL	FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
C 4016A (Kamrose 47 x BR-41)							
:3957	8/12	8/19		20 seg blotch			2985 Hu
:3959	8/21	8/28		15			2986
✓	8/19	8/29		20			2987
✓	8/20	8/28		20 seg			2988 Hu
:3961	8/18	8/27		20			2989
✓	8/17	8/27		20			2990
✓	8/21	8/28		15			2991
:3963	8/10	8/17		15			2992

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cerco-spora	White Tip	
	C4016A (Kamrose-47 x BR-41)					
2993	8/12 - 8/19		20		✓	C3963
2994	8/10 - 8/18		20 R			✓
	Rather short straw, much earlier than BR, standing very well,					
2995	8/9 - 8/16		20			✓
2996	8/20 - 8/27		20			C3967
	Tall					
2997	8/16 - 8/24		20			✓
	tall					
2998	8/17 - 8/24		20 R			✓
	Tall					
2999			15 seg			✓
	Tall 8/12 - 8/22					
	Kamrose, A47, CK					175
3000			20			
	Tall 8/10 - 8/15					

	DATES HEADING 1ST	DATES FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
C4016A (Camrose-47x BR-41)							
3970	8/12	8/19		10 Seg Seg			3001
✓	8/12	8/20		15 Seg			3002
✓	8/11	8/18		15 Seg			3003
3974	8/15	8/24		20 Seg			3004
✓	8/16	8/24		20 Seg			3005
3975	8/16	8/24		20 S			3006
✓	8/12	8/19		15			3007
✓	8/12	8/19		15 Seg			3008
Very good row, uniform 1 Seg Seg grain type							

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
	C4016A (Ramrose-4) x BR-41)					
3009	8/21 – 8/29		15	Sa Seg		C3978
3010	8/21 – 8/29		15	Sa Seg		✓
3011	8/21 – 8/29		15	Sa Seg		✓
	F4-4016A18 (RAMROSE x BR-41)					
3012	8/17 – 8/24		15	R		4568
3013	do 8/16 – 8/24		15			✓
	F4-4016A2 (RAMROSE x BR-41)					
3014	8/13 – 8/23		15	Seg		4569
3015	do 8/18 – 8/27		15	R		✓
3016	do 8/17 – 8/24		15	Seg?		✓

	DATES: HEADING	DATES: FULL	DISEASES: H.O.	DISEASES: Cerco-spora	DISEASES: White Tip	DISEASES: Leaf Brown		
4569	F4-4016A2 (KAMRASE x BR-41) 8/12 – 8/20 Earliest standing very well.			10	R		3017	Hm
4575	F4-4016A8 (KAMRASE x BR-41) 8/8 – 8/15			10	R		3018	Hr
4576	F4-4016A9, 8/13 – 8/19			10			3019	
2248	B3710A1-15, (K x H) x BR, CK 8/16 – 8/24 much cleaner leaves on 10/25 than Kamras x BR-41 selections, less HO, less browning			10			3020	
4577	F4-4016A10 (KAMRASE x BR-41) 8/17 – 8/24			15	R		3021	
4578	F4-4016A11 8/17 – 8/24			10	dry		3022	
4579	F4-4016A12 8/18 – 8/27			15	R		3023	
4581	F4-4016A13 8/18 – 8/27 Shorter straw than usual			15	R		3024	Hm

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cercospora	White Tip	Leaf Brown.
	F4-4016A13, (KAMROSE x BR-41					
3025	8/17 - 8/24			20		4581
	F4-4016A14 (KAMROSE x BR41)					
3026	8/20 - 8/28			20 R		4582
3027	do 8/16 - 8/24			20 R		✓
3028	do 8/18 - 8/27			20 R		✓
Hv						
	F4-4016A15, (KAMROSE x BR-41)					
3029	8/20 - 8/28			15		4583
	F4-4016A17, (KAMROSE x BR-41)					
3030	8/13 8/19			15		4585
	F4-4015A1 (B29/12A13 x BR-41)					E-CO-R
3031	V. Tall, wide leaves 7/24 - 8/4			15 sq		4531-2
3032	do V. Tall wide leaves 7/24 - 8/12 Earlier than 3031			15 sq		E-CO-R 4531-3
Hv now						

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cerco-sporin	DISEASES White Tip	DISEASES Leaf Brown		
F4 4015A2 (B2912A13xBR-41)								
4532	8/16	8/24						3033
F4-4015A3 (B2912A13xBR-41)								
4533	8/15	8/23		15				3034
F4-4015A4 (B2912A13xBR-41)								
4534	8/21	8/28		10	R (1-5 plant)			3035 Nn
F4-4015A5 (B2912A13xBR-41)								
4535A	7/24	8/3		10				3036
V. Tall, wide leaves								
E do								
535B	7/26	8/4		10				3037 Nn pm
V. tall wide leaves								
E do								
535C	7/24	8/2		10				3038
V. Tall, wide leaves								
F4-4015A6 (B2912A13xBR-41)								
4536	8/16	8/24		15	R			3039 Nn
Very good qual.								
Blue Rose, Ck.								
60	8/20	8/26		15				3040

	DATES: HEADING / 1ST FULL	DATES: FULL / RIPE	H.O.	DISEASES: Cercospora	DISEASES: White Tip	DISEASES: Leaf Browning	
F4-4015A7 (B2912A13xBR-41)							
3041	8/13	8/23		15 seg	R		4537
F4-4015A10, (B2912A13xBR-41)							
3042	8/12	8/22		15	R		4544
F4-4015A14, (B2912A13xBR-41)							
3043	8/21	8/27		15	R		4545
F4-4015A15, (B2912A13xBR-41)							
3044	8/17	8/24		15 seg	(R)		4546
3045	8/19	do 8/29		10	R		✓
F4-4015A18, (B2912A13xBR-41)							
3046	8/16	8/24		10	R		4549
F4-4015A19 (B2912A13xBR-41)							
3047	8/16	8/24	easier to thresh than most in '42 more blotch than most	15 seg	(R)		4550
3048	8/17	do 8/24	easier to thresh than most in '42 wide leaves.	15	R		✓

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White leaf. Tip Browning	
F4-4015A23(B2912A13x BR-41)						
554	8/18	8/27		15	R	3049
wide leaves						
F4-4015A25(B2912A13x BR-41)						
556 may be a natl cr. easier to thresh + longer glume than average in 1942	7/25	S		15		3050
F4-4015A26(B2912A13xBR-41)						
557	8/21	8/28		15		3051
F4-4015A28(B2912A13xBR-41)						
559	8/16	8/24		10		3052
✓	8/18	do 8/27		10		3053
F4-4015A29(B2912A13xBR-41)						
561	8/18	8/27		10		3054
✓	8/17	do 8/24		10		3055
V. good grain type						Lots
F4-4015A32(B2912A13x BR-41)						
564 easier to thresh than most in 1942	8/21	8/28		10		3056

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H. O.	DISEASES: Cerco-spora	DISEASES: White Tip	DISEASES: Leaf Browning	
F4-4015A32 (B2912A13 x BR-41)							
3057	8/20	– 8/26	10				4564
do							
3058	8/21	– 8/27	10				✓
F4-4016A17 (Kamrose x BR-41)							
3059	8/12	– 8/20	10				4585
Kamrose – A47, Ck.							175
3060	8/7	– 8/17	15				
F4-401720 (Arkrose x BR-41)							
3061	8/16	– 8/21	10				4606
wide leaves							
do							
3062	8/12	– 8/21	10				✓
F4-4017A21 (Arkrose x BR-41)							
3063	8/8	– 8/18	10				4607
fair							
Kamrose sel.							E- CO=R
3064	7/16	– 5 –	10				2602

DATES			DISEASES		
HEADING		FULL			
1ST	FULL	RIPE	H.O.	Cerco-spora	White Tip / Leaf Brown.	
- CO=R					Kamrose Sel	3065
7/17	7/27		10			
02						
2912A34 Sel			15			3066
field plot 8/16	8/25					
wide leaves,						
2912A13 Sel						3067
plot			10			
very tall on 8/12						
8/17	8/27					
longer than average grain			15			3068
very tall on 8/12						
8/12	8/19					
			5			3069
very tall on 8/12						
8/13	8/17					
ery bull.						3070
7/22	5		5			
ron pr apic, longer than av. grain						3071
very tall 8/12			10			
8/12	8/19					
mid B3173-1-2-					Roque (CAxLW)	3072
583 7/29	8/8		10			

	DATES			DISEASES			
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	Leaf Blighting	
3073	B3173-1-2 - Roque (CA x LW) 8/30 - 8/9		15				Mid 2584
3074	do 8/30 - 8/10		10				Mid ✓
3075	do Calady type but earlier 8/3 - 8/13 Not pan Standing well on 9/25, Uniform		10				E-CO=R 2585
3076	do Calady type but earlier 8/28 - 9/7		15				E-CO=R ✓
3077	F8-35X-3, 5398 x BR Common endosperm 8/26 - 9/2		10				2012
3078	F3-4019A1-1 (~~Kx BR~~) SPx(B2412A13, KxE 7/24 - 5		15				
3079	F3-4019A1-2 do 7/24 - 5		15				do ✓
3080	Blue Rose-41, CK. 8/18 - 9/27		15				166

DATES			DISEASES			
HEADING 1ST	HEADING FULL	FULL RIPE	H.O.	Cercospora	White Tip	Leaf Blotch	
F3-4019A1-3 (BPX (B2912A13, KxBR) 7/20-S			15 deg				3081
F3-4019A1-4 (~~KxBR~~) 8/7-S			do 15				3082
F3-4019A1-5 (~~KxBR~~) 7/22-S			do 15				3083
F3-4019A1-6 (~~KxBR~~) 7/22-S			do 15				3084
F3-4019A1-7 (~~KxBR~~) 7/22-S			do 15				3085
F3-4019A1-8 (~~KxBR~~) 8/13-S			do 15				3086
F3-4019A1-9 (~~KxBR~~) 7/22-S			do 15 deg				3087
F3-4019A1-10 (~~KxBR~~) 7/22-S			do 15 deg				3088

All 4040 D2's were C.P. resistant in 1942

	DATES			DISEASES			
	HEADING 1ST FULL	FULL RIPE		H.O.	Cercospora	White Tip	LfBr.
			SPX (B2912A13, KxBR)				
3089	F3-4019A1,-11 (~~KxBR~~) 7/18-5-		15				
3090	F3-4019A1-12 (~~KxBR~~) 8/12-5-		do 15				✓
3091	F3-4019A1-13 (~~KxBR~~) 7/20-5-		do 15				✓
3092	F3 4040D2-1, (B2920A9, FBRxF) x (B2912A3 KxBR) CO = R 8/6 - 8/17		20x09				
3093	4040D2-2, 7/29 - 8/10		do 10				✓
3094	4040 D2-3, 7/24 - 5-		do 10				✓
3095	4040 D2-4, 8/3 - 8/15		do 10				✓
3096	4040 D2-5, 8/4 - 8/15		do 10				✓

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.C.	DISEASES: Cercospora	DISEASES: White Tip		
F3-4040D2-6, (B2920A9, IBR×F)×(B2912A13, K×BR)	7/31	8/11	10				Co = R 3097
4040D2-7,	7/30	8/9	10			"	3098
4040D2-8,	8/1	8/11	10			"	3099
38 B3712A1-7, (K×H)×BR, <K.	8/17	8/26	10				3100
F3-4040D2-9,	7/31	8/9	10				3101
4040D2-10,	8/3	8/14	10			"	3102
F3-4040E1-1,	7/16	S	10 very			"	Co = R 3103
4040E1-1,	7/29	S	15			"	Co = R 3104

DATES				DISEASES	
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip
F3-4046A3-1 (B2920A9-9, BR×A) XBR-41 3105	7/25-8/4		10	E-Co=R	
F3-4046A3-2 3106	7/24-8/3	do	10	E-Co=R ✓	
F3-4046A3-3 3107	7/23-8/3	do	10	E-Co=R ✓	
F3-4046A3-4 3108	7/23-8/3	do	10	E-Co=R ✓	
F3-4046A3-5 3109	7/22-8/31	do	10	E-Co=R ✓	
F3-4046A3-5 3110	7/22-8/31	do	5	E-Co=R ✓	
F3-4046A3-6 3111	7/26-5-	do	5	E-Co=R ✓	
F3-4046A3-7 3112	8/1-8/12	do	5	E-Co=R ✓	

	DATES		DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
			(B2920A9-9, IBRxF)xBR-41			
F3-4046A3-8	7/21-7/31			5		E-CO=R 3113
F3-4046A3-9	7/25-8/4		do	5		E-CO=R 3114
F3-4046A3-10	7/27-8/8		do	5		E-CO=R 3115
F3-4046A3-11	7/24-8/3		do	5		E-CO=R 3116
F3 4046A3-12	8/13-8/23		do	10		E-CO=R 3117
F3 4046A3-13	8/14-8/24		do	10		E-CO=S 3118
F3 4046A3-14	8/14-8/24		do	10		E-CO=S 3119
Blue Rose, CK.	8/21-8/29			15		3120

	DATES			DISEASES		
	HEADING / 1ST FULL	FULL / RIPE	H.O.	Cercospora	White Tip	
3121	Very much like orig. KxH. but less H.O. 8/12 - 8 -		5	sl-dull		? (3233 wrong row)
3122	F5-379A3(KxH)x(SPxSJ) 8/21 - 8/28		10	sl-dull		3186
3123	F6-379A1-41-D1,(KxH)x(SPxSJ) 8/23 - 8/30		10	pl. dull		3197
3124	F6-379A1-41-D2 (KxH)x(SPxSJ) Good to Cross with (KxH)xBR. 8/1 - 5 -		5	good gr. qual.		3198
3125	do 8/22 - 8/29		5			✓
3126	F6-379A1-52 (KxH)x(SPxSJ) 8/29 - 9/5		5			3206
3127	do 8/29 - 9/5		5			✓
3128	do 8/27 - 9/4		5			✓

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
	F6-379A1-52, (K x H) x (SP x SJ)						
206	8/29	9/5			tr		3129
	do						
207	8/25	8/30			tr		3130
	do						
✓	8/26	9/2			5		3131
	do						
✓	smaller gr. & better qual than other 3207						3132
	els in 1942.				5		
	8/23	8/31					
	F6-379A1-61, (K x H) x (SP x SJ)						
208	8/11	8/20			5		3133
	F5-379A3- (K x H) x (SP x SJ)						
211	sl dull in 1942						3134
	8/16	8/26			5		
	F5-379A4- (K x H) x (SP x SJ)						
213	sl dull texture, shot grain in 1942						3135
	8/16	8/24			5		
	F5-379A6- (K x H) x (SP x SJ)						
214	8/21	8/29			tr		3136

	DATES: HEADING / 1ST FULL	DATES: FULL / RIPE	H.O.	DISEASES: Cerco-spora	DISEASES: White Tip	
3137	8/25	9/31		5		F5-379A6-(K×H)×(SP×SJ) 3219
3138	8/22	9/28		5		F5-379A6 (K×H)×(SP×SJ) 3222
3139	8/2	8/13		5		F6-3715A4-11-1, F1(3512A)×SBR E 3256
3140	8/16	8/24		5		B3710A1-15, (K×H)×BR, ck 2248
3141	8/13	8/19		5		F6-3715A65-4, F1(3512A)×SBR Mid 3263 Rolled leaf type in 1942
3142	8/21	S		5		F6-3715A22-1-2, F1(3512A)×SBR Dry hulled - good DK grain type 3270
3143	8/12	8/21		5		F6-3715A23-3, " 3277
3144	8/29	9/5		5		F6-3715A4-5, F1(3512A)×SBR 3281

	DATES: Heading 1st	DATES: Heading Full	DATES: Full Ripe	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
Co = R 288	F6-3715A12-1-1, F1(3512A) x SBR V. good BR type in 1942	8/18	8/26		10		3145
031	F6-3715A18-2-1, F1(3512A) x SBR	8/13	8/23		Tr		3146
✓	do	8/10	8/19		Tr		3147
	Bailed leaf type						Ldr
581	B3512A38-6-1, (SP x SJ) x SBR	8/16	8/24				3148
	wide leaves, light color				10		
295	F6-3715A38-4, F1(3512A) x SBR	8/12	8/22		5		3149
D = R 296	F6-3715A12-9, F1(3512A) x SBR	8/25	8/31		10		3150
D = R 298	F6-3715A12-10, F1(3512A) x SBR	9/1	9/8		10		3151
302	F6-3715A15-4, F1(3512A) x SBR	8/22	8/29		15		3152

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cerco-spora	DISEASES White Tip	
F6-3715A24-10, F1(3512A)xSBR						
3153	8/22	8/30	10			3306
F6-3715A36-6, F1(3512A)xSBR						CD=S
3154	8/16	8/24	10			3314
B3715A36-6 F1(3512A)xSBR						
3155	8/15	8/23	10			115
1/2						
3156	do 8/15	8/23	5			✓
1/2						
3157	do 8/15	8/23	Tr			CD=R ✓
1/2						
3158	do 8/16	8/24	5		Tr	CD=R ✓
1/2						
3159	do 8/16	8/24	10 Seg			CD=R ✓
1/2						
Blue Rose-41, CK						
3160	8/18	8/27	10			166

	DATES			DISEASES		
	HEADING 1ST	HEADING FULL	FULL RIPE	H.O.	Cercospora	White Tip	
	F5-3715A(BLK.) F_1(3512A)xSBR						
45	9/1	– 9/8		10			3161
	3715A38 do						
46	V. large seed (Some sent to Jodon						3162
	bung 8/1943)			10		1	
	8/25-5						
/	8/31	–		10		1	3163
/	8/27	– 9/3		10		1	3164
/	8/29	– 9/5		5			3165
/	8/29	– 9/6		5			3166
	Very tall on 8/12						
/				5			3167
	381C-Blue Rose x Zenith (CALIF-1941)						
49	8/26	– 9/1		10			3168

	DATES			DISEASES	
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip
C381C					
F5-381C-Blue Rose x Zenith) (CALIF-1941)					
3169	8/27 - 9/3		15		749
	42-2 do				late
3170	8/30 - 9/5		20		✓
Hr	Has exceptionally long stems, rather tall. Very long heads with stiff necks. Cross north. 3155 lines in key				
	42-3 do				
3171	8/29 - 9/4		15		✓
	2 highly stunted plants in row				
	do				
3172	8/20 - 8/28		20		✓
F5-383A2, Blue Rose x CI-4440					BR mut
3173	9/24 - 5 -		10 seg		751
	do				BR mut
3174	8/29 - 9/6		10 seg		✓
	do				BR or earlier
3175	9/3 - 9/9		10 seg		✓
	do				BR mut
3176	9/1 - 9/8		20		✓

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
late 487	F6-3722A1-66-1, FxBR	8/21	8/28	15			3177
✓	do	8/20	8/27	15			3178
late 488	F6-3722A1-68-1, FxBR	8/27	9/3	10			3179
60	Blue Rose, Ck	8/21	8/28	15			3180
late 492	F6-3722A1-71-1, FxBR	8/25	8/31	10			3181
late 493	F6-3722A1-72-1, FxBR	8/21	8/29	10			3182
late ✓	do	8/26	9/2	15			3183
late 494	F6-3722A1-72-1, FxBR	8/30	9/6	15			3184

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
3185	F6-3722A1-72-1, FxBR 8/30 - 9/6		15			late 3494
3186	F6-3722A1-72-3, FxBR 8/26 - 9/2		10			late 3497
3187	do 8/23 - 8/31		10	1		late ✓
3188	do 8/26 - 9/2		5			late ✓
3189	F6-3722A1-73-1, FxBR 9/2 - 9/9		15			late 3499
3190	do 8/30 - 9/5		15			late ✓
3191	F6-3722A1-73-1, FxBR 8/31 - 9/7		15			late 3501
3192	F6-3722A1-75-5, FxBR ✓ good in 1942 8/29 - 9/5		15			late 3505

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
late 505	F6-3722A1-75-5, FxBR 9/1	9/9	15			3193
late r	do 8/26	9/4	15			3194
late 506	do V. good in 1912 8/26	9/4	15			3195
488	F6-3722A1-68-1, FxBR 8/21	8/30	5			3196
late 506	F6-3722A1-75-5, FxBR 8/27	9/3	10			3197
1 late 510	F6-3722A1-81-1, FxBR 9/3	9/9	15			3198
513	F6-3722A1-104-2, FxBR		10	3		3199
38	B3712 A1-75, (KxH)xBR, <K 8/16	8/24	10			3200

	DATES			DISEASES	
	HEADING	FULL			
	1ST FULL	RIPE	H. O.	Cerco-sporg. White Tip	
3201	F6-3722A1-128-2, FxBR 9/3 - 9/1				late 3517
3202	F6-3722A1-133-1, FxBR 7/24 - 5			70	mid, ~~late~~ early 3519
3203	F6-3722A1-133-1, FxBR 9/3				late, V. good 3521
3204	do 8/29 - 9/5				late - V. good ✓
3205	do 8/30 - 9/7				late - V. good ✓
3206	do 8/26 - 9/3				mid - ✓
3207	F6-3722A1-142-2, FxBR 9/1				3529
3208	F6-3722A1-142-2, FxBR 8/25 - 9/3				3530

DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cerco-spora	DISEASES: White Tip	
late F6-3722A1-142-3, FxBR 531 7/23-S-			20		2	3209
late F6-3722A1-142-4, FxBR 532 8/31-9/9					1	3210
late F6-3722A1-226-3, FxBR 542 8/31-9/9					1	3211
late 9/1 do 9/1 - 9/9					2	3212
late F6-3722A1-238-1, FxBR 549 9/1 - 9/9						3213
late F6-3722A1-239-4, FxBR 553 8/23-S-						3214
late F6-3722A1-239-5, FxBR 554 8/3-S-						3215
F3-4022A1-1 (B321A2-8, RxD) x (B3313A1-4) Rx 7689) ag E & Mid (36 sets) 8/1 - S 15R						3216

	DATES HEADING	DATES 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cerco-spora	DISEASES White Tip	
F3 3217	4022A1-2-(B321A2-8, R×D)×(B3313A1-4)×(R×768	8/2	8/13		15R		
F3 3218	4022A1-3	8/2	8/14	do	10R		
F3 3219	4022A1-4	8/4	8/14	do	10R		
3220	B322A4-2-3-1, R×F, ck.	8/3	8/13		15		50
F3 3221	4022A1-5-(B321A2-8, R×D)×(B3313A1-4)×(R×768	8/3	8/13		15R		
F3 3222	4022A1-6	8/4	8/14	do	15R		
F3 3223	4022A1-7	8/2	8/12	do	15R		
F3 3224	4022A1-8	8/30	8/11	do	15R		

DATES			DISEASES			
HEADING 1ST	HEADING FULL	FULL RIPE	H.O.	Cercospora	White Tip	
F3-4022A1-9.(B321A2-8,RxD)x(B3313A1-4)(Rx7689) 8/2 - 8/12			15R			3225
F3-4022A1-10 7/31 - S			15R	do		3226
F3-4022A1-11 8/1 - 8/11			15R	do		3227
F3-4022A1-12 8/5 - 8/16			15R	do		3228
F3-4022A1-13 8/3 - 8/13			10R	do		3229
F3-4022A1-14 7/28 - 8/7			15R	do		3230
F3-4022A1-15 8/1 - 8/11			15R	do		3231
F3-4022A1-16 8/4 - 8/6			15R	do		3232

	DATES			DISEASES			
	HEADING	FULL					
	1ST FULL	RIPE	H.O.	Cerco-spora	White Tip		
F3-4022A1-17-(B321A1-8, R×D)×(B331A1-4, R×7689 3233	8/5	8/15		15R			
F3-4022A1-18 3234	8/4	8/11		do 15R			
F3-4022A1-19 3235	7/27	8/6		do 15R			
F3-4022A1-20 3236	7/31	8/11		do 15R			
F3-4022A1-21 3237	8/2	-S		do 15R			
F3 4022A1-22 3238	8/3	-S		do 15R			
F3 4022A1-23 3239	8/1	-S		do 15R			
Nira, CK. 3240	8/12	8/19		15			52

DATES			DISEASES	
HEADING		FULL		
1ST	FULL	RIPE	H.O. Cerco-spora	White Tip
				?

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✓ no note from here to 3601 indicates an inf of 15 or more

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cerco-spora	White Tip	
F3 4022A1-24 (B321A2-8, Rx D) x (B3313A1-4) (Rx 7689) 3241	8/3	8/14	✓			
F3- 4022A1-25 3242	8/3	8/14	do			
F3- 4022A1-26 3243	7/31	8/11	do			
F3 4022A1-27 3244	8/5	5	do	5		
F3 4022A1-28 3245	7/30	8/10	do			
F3 4022A1-29 3246	8/5	5		10		
F3 4022A1-30 3247	7/29	8/8	do			
F3 4022A1-31 3248	7/29	8/9	do			

DATES			DISEASES		
HEADING 1ST FULL	FULL RIPE		H.O.	Cercospora	White Tip	
F3-4022A1-32(B321A2-8,Rx D)x(B3313A1-4(Rx7689) 8/4 – 8/14					3249
F3-4022A1-33 7/30 – 8/10			do		3250
F3-4022A1-34 8/1 – 8/11			do		3251
F3-4022A1-35 8/4 – 8/14			do		3252
F3-4025A1-1(B3313A1-16,Rx7689)x(B3313A1-4,Rx7689) Pure Nr 9/15/42 7/31 – 8/11					3253
F3-4025A1-2 2 7/29 – 8/9			do		3254
F3-4025A1-3 3 8/1 – 8/11			do	10	3255
F3-4025A1-4 4 7/31 – 8/9			do		3256

	DATES: HEADING / 1ST FULL	DATES: FULL / RIPE	DISEASES: H.O.	DISEASES: Cerco-spora	DISEASES: White Tip	
F3-4025A1-5-(B3313A1-16, Rx7689)x(B3313A1-4, Rx7689) 3257	7/29	8/10				
F3-4025A1-6 3258	8/6	5	5	do		
F3-4025A1-7 3259	7/28	8/9		do		
1 pan	Uniform grain type, ap pina & have good grad. pan not stiff stained type					
Fortuna, ck 3260	8/7	8/17	15			45
F3-4025A1-8 (B3313A1-16, Rx7689)x(B3313A1-4, Rx7689) 3261	8/1	8/13	5			
(Pan)	Very good, Have stiff straw of A1-16. Some late present, may be eg for meat, Buck wrt other S.M. stained lines					
F3-4025A1-9 3262	8/2	8/12	10	do		
F3-4025A1-10 3263	8/1	8/11		do		
F3-4025A1-11 3264	8/2	5		do		

DATES			DISEASES		
HEADING 1ST	HEADING FULL	FULL RIPE	H.O.	Cerco-sporа	White Tip	
F3-4025A1-12(B3313A1-16, Rx7689)x(B3313A1-4, Rx7689) 7/30 - 8/9					3265
F3-4025A1-13 8/1 - 5			do 10		3266
F3-4025A1-14 7/31 - 5			do 10		3267
F3-4025A1-15 8/1 - 5 Many diff stained types			do		3268 Hu Pan
F3 4025A1-16 8/2 - 8/12			do		3269
F3-4025A1-17 8/4 - 8/16			do		3270 Pan
F3-4025A1-18 8/3 - 8/13 Very uniform H + Mat.			do 5		3271 Hu Pan
F3-4025A1-19 8/1 - 5			do		3272

	DATES			DISEASES		
	HEADING 1ST	FULL	RIPE	H.O.	Cerco-spora	White Tip
F3-4025A1-20 (B3313A1-16, Rx7689) x (B3313A1 Rx7689) 3273	8/4	–	8/14			
Pam	Fairly uniform, sl taller than some good grain types					
F3-4025A1-21 3274	7/31	–	8/10	do		
F3-4025A1-22 3275	7/29	–	8/9	do		
Lds pan	Standing very well on 9/25 Possibly sig for mate.					
F3-4025A1-23 3276	7/30	–	8/10	do	10	
F3-4025A1-24 3277	7/30	–	8/10	do		
F3-4025A1-25 3278	8/5	–	8/15	do		
F3-4025A1-26 3279	8/3	–	8/13	do	10	
Nira, ck 3280	8/12	–	8/23		10	52

DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3-4025A1-27 (B3313A1-6, Rx7689) x (B3313A1-4 Rx7689)					
8/3	8/13				3281
F3-4025A1-28		do			3282
8/6	8/18				
F3-4025A1-29		do			3283
8/3	5				
F3-4025A1-30		do			3284
8/3	5		10		Pan
F3-4025A1-31		do			3285
8/5	8/16				
F3-4025A1-32		do			3286
7/30	8/10				
F3-4025A1-33		do			3287
8/31	8/10		5		Pan
F3-4025A1-34		do			3288
8/1	8/15		5		

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	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
3289 F3-4025A1-35 (B3313A1-16 R x 7689) x (B3313A1-4 R x 7689)	8/1	8/14				
3290 F3-4025A1-36, (B3313A1-16 R x 7689)(B3313A1-4 R x 7689) very long straw (Pan)	7/30	8/10				
3291 F3-4025A1-37 do	8/2	8/12				
3292 F3-4025A1-38 do	8/1	8/12				
3293 F3-4030A3-1, (B3313A1-4 R x 7689) x B324A1, (32 earliest plants in population saved R x 5094) T	8/22	8/30				
3294 F3-4030A3-2 do M+T seg	8/16	5				
3295 F3-4030A3-3 do M seg Rough-Smooth, long extremely slender grain (Hv pan)	8/21	5				
3296 F3-4030A3-4 do T+M seg. Some types with v. good straw type (Hv pan)	8/19	5			10	

Letters indicate height on 8/12
M = medium ht (like T Patna
T = tall
VT = very tall

DATES

HEADING 1ST	HEADING FULL	FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3-4030A3-5, (B3313A1-4, [illegible]) x B324A1, R x 5094						3297
8/20-8/29						
F3-4030A3-6			do			3298
[illegible]-8/29						
F3-4030A3-7			do			3299
8/20-8/29						Pan
Texas Patna			15			3300
3 8/22-8/30						
F3-4030A3-8, (B3313A1-4, R x 7689) x B324A1, R x 5094						3301
T 8/16-8/26						
F3-4030A3-9			do			3302
T 8/16-S						
F3-4030A3-10			do			3303
T 8/16-S						
F3-4030A3-11			do			3304
T 8/13-S						

DATES HEADING	DATES FULL	DATES RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip
	1ST FULL				

(B3313A1-4, Rx7689) x (B3324A1, Rx50)

F3-4030A3-12,
3305 8/19 -5-
M+T seg

F3-4030A3-13 do
3306 8/15-8/26
1/2 M+T seg
not slent stem, shorter than T Pattern, Very Uniform

F3-4030A3-14 do
3307 8/19-8/29
T

F3-4030A3-15 do
3308 8/13-5.
(pom M.) Hardy as bell or T. Pattern Very slender grain
Wide leaves good

F3-4030A3-16 do
3309 8/17 - 8/29
T

F3-4030A3-17 do
3310 8/16 - 8/28
V.T.

F3-4030A3-18 do
3311 8/17 - 8/27
T+VT seg.

F3-4030A3-19 do
3312 8/19 - 8/28
T

DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O. Cercospora White Tip		
(B3313A1-4, Rx7689) x (B324A1, Rx5098)					
F3-4030A3-20, 1d T leg	8/15	8/26			3313
F3-4030A3-21 2d T leg	8/20	8/29	do		3314
Rather tall but has a very good grain type					Pan
F3-4030A3-22 M (lite Pitha)	8/25	9/4	do	10	3315
F3-4030A3-23 T	8/15	8/27	do		3316
F3-4030A3-24 Td M leg dark	8/20	8/29	do	10	3317
F3-4030A3-25 T yellowish	8/16	8/26	do		3318
					Pan
F3-4030A3-26 Td M leg dark	8/17	8/27	do		3319
Pink but row of crosses, grows a large number of seeds individually					Pan
Rexoro 188 Short.	9/5		CK.	15	3320

	DATES			DISEASES	
	HEADING	FULL			
	1ST FULL	RIPE	H.O.	Cercospora	White Tip
	(B3313A1-4, Rx7689)x(B324A1, Rx5098)				
3321 T	F3-4030A3-27, 8/16 - 8/26				
3322 M (Pan)	F3-4030A3-28 8/21 - 8/31 Panicles rather short & small as grain good, Uniform.		do		
3323 T&M Lus (Pan)	F3-4030A3-29 8/16 - 8/26		do		
3324 T&M big	F3-4030A3-30 8/28 - 8/29		do	15R	
3325 M	F3-4030A3-31 8/21 - 8/31		do		
3326 T&M	F3-4030A3-32 8/17 - 8/27		do		
3327	F3-4026A5-1 (B3313A1-16, Rx7689) x R (early and midseason 33 sels) 8/4 - 8/16				
3328	F3-4026A5-2 8/9 - 8/19 good		do		

DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3-4026A5-3(B3313A1-16, Rx7689)xR 8/7 - 8/17 good						3329 (Pan)
F3-4026A5-4 8/6 - 8/16	do					3330
F3-4026A5-5 8/6 - 8/16	do					3331 (Pan)
F3-4026A5-6 8/1 - 8/12 very good for early type grain very uniform, 2s typical Rexora shape	do					3332 Hw / Pan
F3-4026A5-7 8/5 - 8/15	do					3333
F3 4026A5-8 8/6 - 8/16	do					3334
F3 4026A5-9 8/5 - 8/15 grain too short,	do					3335 Hw / Pan
F3 4026A5-10 8/6 - 8/16 (1 late plant)	do					3336

	DATES			DISEASES	
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip
F3 - 4026A5-11, (B3313A1-16, R x 7689) x R					
3337	8/6 - 8/16				
Ht/pan					
F3 - 4026A5-12			do		
3338	8/9 - 8/19				
Ht/pan	This row pick seg for mat. (Donald's very good grain type, earliest plants and (as F Plate)				
F3 - 4026A5-13			do		
3339	8/3 - 8/13				
Pan					
B322A4-2-3-1, < K (R x F)					
3340	8/5 - 8/16				50
F3 - 4026A5-14, (B3313A1-16, R x 7689) x R					
3341	8/4 - 8/14				
Ht/pan					
F3 - 4026A5-15			do		
3342	8/4 - 8/14				
F3 - 4026A5-16			do		
3343	8/5 - 8/15				
Ht/pan					
F3 4026A5-17			do		
3344	8/7 - 8/17				
Ht/pan	Has a number of nick-leg segregates				

DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cerco-spora	DISEASES: White Tip	
F3-4026A5-18, (B3313A1-16, Rx7689)x R					3345 Kn / Pan
8/9 – 8/19					
Has very good stem, stiff,					
F3-4026A5-19		do			3346
8/1 – 5					
F3-4026A5-20		do			3347
8/6 – 8/16					
F3-4026A5-21		do			3348
8/5 – 8/15					
F3-4026A5-22		do			3349 Kn / Pan
8/7 – 5					
fair ears					
Very good grain type, uniform, but sig not.					
F3-4026A5-23		do			3350 Kn / Pan
8/3 – 8/13					
Very good grain type, appears to be sig for maturity, – Good ears.					
F3-4026A5-24		do			3351
8/7 – 8/18					
F3-4026A5-25		do			3352
8/4 – 8/14					

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE		H.O.	Cerco-spora	White Tip
3353	F3-4026A5-26, (B3313A1-16, Rx7689)xR 8/9 - S					
3354	F3-4026A5-27 8/6 - 8/16 (1 late, dead)			do		
3355	F3-4026A5-28 8/3 - 8/13			do		
3356	F3-4026A5-29 8/3 - S			do		
3357	F3-4026A5-30 8/1 - S			do		
3358	F3-4026A5-31 8/1 - 8/11			do		
	Hev row	Very uniform maturity & ht, big grain types				
3359	F3 4026A5-32 8/2 - S			do		
3360	Nira, <K 8/10 - 8/21			15		52

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
xR F3-4026A5-33, (B3313A1-16, Rx7689) x R	8/4	– 8/14					3361
F3-4033A4-1, (B324A1, Rx5094) (B3313A1-16, Rx7689) (Clear grained segregates, mostly early) (B341A)	8/3	– 8/13					3362
F3-4033A4-2	8/10	– 8/20	do				3363
F3-4033A4-3	8/4	– 8/14	do				3364
F3-4033A4-4	8/8	– 8/18	do				3365
F3-4033A4-5	8/3	– 8/13	do				3366
F3 4033A4-6	8/18	– 8/28	do				3367
a number of plants with chlorosis on leaves 2a & very productive row. Very good. Hw row							
52 F3 4033A4-7	8/5	– 8/15	do				3368

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H O	Cerco-spora	White Tip	
F3 - 4033A4-8, (B3214A1, Rx5094) x (B3313A1-16, Rx76) 3369	8/4 - 8/14					
F3 4033A4-9 3370 (pan)	8/8 - 8/18	do				
F3 4033A4-10 3371 (pan)	8/6 - 8/16	do	Very good plants. Very poorly lined up for maturity			
F3 4033A4-11 3372	7/29 - S -	do				
F3 4033A4-12 3373	8/5 - 8/15	do				
F3 4033A4-13 3374 (pan)	8/1 - 8/11	do	Grain type mostly two ears, very uniform growth,			
F3 4033A4-14 3375	8/6 - 8/16	do				
F3 4033A4-15 3376 (pan)	7/31 - 8/10	do	appears to have excellent quality some eng. for grain length.			

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3-4033A4-16, (B324A1, Rx5094) x (B3313A1-16, Rx7689)	8/3		8/13				3377 Pan
F3 4033A4-17, (B324A1, Rx5094) x (B3313A1-16, Rx7689)	8/2		8/12				3378 Pan
F3 4033A4-18	8/1		8/11	do			3379
Very good row. Uniform; taller than most. Very uniform grain type (long d) Adv in 1983							
Texas Patna, ck. '83	8/22		8/31	15			3380
F3-4033A4-19, (B324A1, Rx5094) x (B3313A1-16, Rx7689)	8/5		8/15				3381
F3 4033A4-20	7/31		8/10	do			3382 Pan
F3 4033A4-21	8/4		5	do			3383
F3 4033A4-22	8/2		8/12	do			3384 Pan

	DATES HEADING	DATES 1ST FULL	DATES FULL RIPE	DISEASES H.O. Cerco-White Leaf Spot	
F3-4033A4-23 (B324A1, Rx5014) x (B3313A1-1 Rx7689) 3385	7/31	8/11			
F3 4033A4-24 3386	8/1	8/14		do	
	Excellent stem type				
W/po	Possibly early mat.				
F3 4033A4-25 3387	8/9	8/18		do	
pom	Excellent stem type for maturity				
F3 4033A4-26 3388	8/7	8/19		do	
F3 4033A4-27 3389	8/1	8/14		do	
F3 4033A4-28 3390	8/3	8/13		do	
pom	Uniform early type - grain too short				
	Saved for panicles of longest grain type				
F3 4033A4-29 3391	8/5	8/15		do	
F3 4033A4-30 3392	7/31	8/10		do	
W/	Uniform good row				
mw					

	DATES		DISEASES	
	HEADING 1ST FULL	FULL RIPE	H.O. Cercospora	White Tip
			(B324A1, Rx5094)x(B3313A1-16, Rx7689)	
F3-4033A4-31,	8/5	8/15		3393
F3-4033A4-32	8/4	8/14	do	3394
F3 4033A4-33	8/1	8/11	do	3395
F3 4033A4-34	8/1	8/11	do	3396
F3 4033A4-35	8/2	8/12	do	3397
F3 4033A4-36	8/1	8/11	do	3398
F3 4033A4-37	7/31	8/10	do	3399
Fortuna, CK 45	8/3	8/12	20	3400

DATES			DISEASES
HEADING	FULL		H. O. Cerco-spora White Tip
1ST FULL	RIPE		(B324A1, Rx5094) x (B3313A1-16 Rx7689)
F3 4033A4-38 3401	7/31 - 8/10		
F3 4033A4-39 3402	8/21 - 8/14		do
F3 4033A4-40 3403	7/29 - 8/9		do
F3 4033A4-41 3404	8/6 - 8/19		do
F3 4033A4-42 3405	8/7 - 8/19		do
F3 4033A4-43 3406	8/3 - 8/13		do
Hr/now	very uniform.		
F3 4033A4-44 3407	7/31 - 8/11		do
F3 4033A4-45 3408	8/2 - 8/12		do

DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-4033A4-46 (B324A1, Rx5094)x(B331 3A1-16, Rx7689) 8/7 - 8/17					3409
F3-4033A4-47 8/11 - S- Very good strain - very good grain quality		do			3410 Pan
F3-4033A4-48 8/1 - 8/11 Very good strain a few lateral ears		do			3411 No row
F3-4027A3-1 (B323A5, RxSBR)xR Earlier to 3427) 7/30 - 8/9					3412
F3-4027A3-2 ✓ 7/26 - 8/7		do			3413
F3-4027A3-3 8/12 - S-		do			3414
F3-4027A3-4 7/24 - 8/4		do			3415 Pan
F3-4027A3-5 7/30 - 8/10		do			3416

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H. O.	Cercospora	White Tip	
F3-4027A3-6 (B323A5, RxSBR) x R 3417	7/28 - 8/8					
F3-4027A3-7 3418 (Pan)	7/21 - 7/31	do				
F3-4027A3-8 3419	7/24 - 8/9	do				
B323A5, RxSBR, CK 3420 (Pan)	7/25 - 8/4					28
F3-4027A3-9 (B323A5, RxSBR) x R 3421 (Pan)	7/25 - 8/5	appears to be seg for most stand early plants				
F3 4027A3-10 3422 (Pan)	7/26 - 8/7	do				
F3 4027A3-11 3423	7/27 - 8/7	do		10		
F3 4027A3-12 3424 (Pan)	8/1 - 8/11	do		10		

DATES: HEADING 1ST FILL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-4027A3-13,(B323A5,RxSBR)xR 8/1 - 8/11					3425
F3_4027A3-14 7/26-S. Very good plants		do			3426 Pan
F3_4027A3-15 7/25 - 8/5		do			3427 Pan
F3-4031A1-1,(B324A1,RxS094)x(B323A5,RxSBR) (mostly early rows to 3461) 7/22-S Send seed after row to Adan					3428 Pan row
F3-4031A1-2 7/30 - 8/10		do			3429
F3_4031A1-3 7/23 - 8/2		do			3430 Pan row
F3_4031A1-4 7/25-S.		do			3431
F3_4031A1-5 7/28 - 8/10		do			3432

	DATES HEADING	DATES FULL	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3-4031A1-6-(B324A1, RxSDR)x(B323A5, RxSBR)						
3433	7/31 – 8/10					
F3 4031A1-7,		do				
3434	8/17 – 8/27					
W	Very good 7 Patina type, shredder, Judging from appearance is quite considerably shorter (dwarf) than TP in Micro, Excellent grain,					
F3 4031A1-8		do				
3435	7/22 – 8/2			Seg for C.O.		
Pan						
F3 4031A1-9		do				
3436	8/5 – 8/15					
Pan	Very good row, grain type looks very good					
F3 4031A1-10		do				
3437	8/3 – 8/13					
Pan						
F3 4031A1-11		do				
3438	7/28 – 8/9					
F3 4031A1-12		do				
3439	7/29 – 8/9					
B323A5, RxSBR, CK						28
3440	7/25 – 8/1					

	DATES		DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
F3-4031A1-13, (B324A1, Rx5094)x(B323A5, Rx SBR) 7/24-S.						3441
F3-4031A1-14 8/1-8/11		do				3442
F3-4031A1-15 7/25-S.		do				3443
F3-4031A1-16 7/24-8/4		do				3444 (pan)
F3 4031A1-17 8/10-8/22		do				3445
F3 4031A1-18 8/8-8/19		do				3446
F3 4031A1-19 7/30-S.		do				3447
F3 4031A1-20 7/25-8/6		do				3448 (pan)

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip	
F3-4031A1-21, (B324A1, R x 5094) x (B323A5, R x 5B)						
3449	8/31 - 8/10					
(pan)	Very uniform, very good stand, lots of vigor, some very good grain types					
F3-4031A1-22		do				
3450	8/29 - 8/8					
F3-4031A1-23		do				
3451	8/2 - 8/12					
Hv	good vigor, fairly uniform, grain types					
now	Uniform, mature, lot,					
F3-4031A1-24		do				
3452	8/1 - 8/11					
(pan)	uniform - good					
F3-4031A1-25		do				
3453	7/22 - 5					
F3-4031A1-26		do				
3454	7/28 - 8/7					
F3 4031A1-27		do				
3455	8/2 - 8/12				Ti	
F3 4031A1-28		do				
3456	7/25 - 5					

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
4031A1-29, (B324A1, Rx5094)x(B323A5, RxSBR)	8/2	-	S.				3457
							Pan
3 4031A1-30	8/5	-	8/15	do			3458
3-4031A1-31	8/30	-	8/10	do			3459
B322A4-2-3-1 CK.	8/4	-	8/14				3460
3-4031A1-32, (B324A1, Rx5094)x(B323A5, RxSBR)	8/9	-	8/20			M	3461
3-4032A3-1 (B324A1, Rx5094)x(B321A2-8, RxD) (through 3521)	8/3	-	8/13				3462
3 4032A3-2	8/2	-	8/14	do			3463
3 4032A3-3	8/4	-	8/14	do			3464

	DATES			DISEASES	
	HEADING	FULL			
	1ST FULL	RIPE	H.O.	Cerco-sporia	White Tip
F3-4032A3-4, (B324A1, R x 5094) x (B321A2-8, R x D					
3465	8/3 - 8/13				
F3-4032A3-5		do			
3466	8/9 - 8/20				
F3-4032A3-6		do			
3467	7/29 - 5 -				
F3-4032A3-7		do			
3468	8/7 - 8/17				
F3-4032A3-8		do			
3469	8/1 - 8/11			15R	
F3 4032A3-9		do			
3470	8/3 - 8/13				
F3 4032A3-10		do			
3471	7/28 - 8/9				
F3 4032A3-11		do			
3472	8/4 - 8/14				

DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
3-4032A3-12, (B324A1, Rx5094)x(B324A2-8, RxD) 8/2-8/12					3473
3-4032A3-13 8/5-8/15	do				3474
3-4032A3-14 8/4-S-	do				3475
3-4032A3-15 8/4-S-	do				3476
3-4032A3-16 8/3-S-	do				3477
3-4032A3-17 8/5-8/15	do				3478
3-4032A3-18 8/6-8/16	do				3479
2 Nira, CK 8/11-8/21					3480

		DATES			DISEASES
		HEADING	FULL		
		1ST FULL	RIPE	H.O.	Cerco-spora White Tip
F 33481	F3-4032A3-19, (B324A), R×S08), (B321A2-8, R×I	8/3	8/13		
F 33482	F3-4032A3-20	8/5	8/15	do	
F 33483	F3-4032A3-21	7/29	-5	do	
F 33484	F3-4032A3-22	8/4	8/14	do	
33485	F3-4032A3-23	8/4	8/14	do	
33486	F3-4032A3-24	8/5	8/15	do	
33487	F3-4032A3-25	8/4	8/14	do	
33488	F3-4032A3-26	7/24	-5	do	

DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3-4032A3-27, (B324A1, Rx5098) x (B321A2-8RxD) 8/3 – 8/13					3489
F3 4032A3-28 8/4 – 8/14		do			3490
F3 4032A3-29 8/4 – 8/14		do			3491
F3 4032A3-30 8/1 – 8/11		do			3492
F3 4032A3-31 7/31 – 8/10		do			3493
F3 4032A3-32 8/31 – 8/31 grow along early T. Cotton in 8/9 very similar to T.P.		do			3494 Ho row
F3 4032A3-33 8/8 – 8/18		do			3495
F3 4032A3-34 8/10 8/16 –		do			3496

	DATES HEADING	DATES 1ST FULL	DATES FULL RIPE	DISEASES H. O.	DISEASES Cerco-White spots	DISEASES Tip	
3497	F3 4032A3-35,(B324A1,Rx5094)x(B321A2-8,Rx	8/8	8/18				
3498	F3 4032A3-36 do	8/6	8/16				
3499	F3 4032A3-37 do	8/6	8/16				
	Pan Very good						
3500	Fortuna, ck	8/9	8/19				45
3501	F3 4032A3-38(B324A1,Rx5094)x(B321A2-8,Rx)	8/4	8/14				
3502	F3 4032A3-39 do	8/5	8/15				
3503	F3 4032A3-40 do	7/24	S				
3504	F3 4032A3-41 do	8/5	8/15				

		DATES		DISEASES		
		HEADING 1ST	FULL FULL	H.O.	Cercospora	White Tip	
F3	4032A3-42, (B324A1, Rx5094)x(B321A2-8, RxD) 7/26 – 8/7						3505
F3	4032A3-43 8/5 – 5		do				3506
F3	4032A3-44 8/2 – 8/12		do				3507
F3	4032A3-45 8/2 – 8/12		do				3508
F3	4032A3-46 8/6 – 8/16		do				3509
F3	4032A3-47 8/8 – 8/18		do				3510
F3	4032A3-48 8/10 – 8/20		do				3511
F3	4032A3-49 8/5 – 8/15		do				3512

	DATES HEADING	DATES FULL	DISEASES RIPE	DISEASES H.O.	DISEASES Cerco-spora	DISEASES White Tip	
3513	F3 4032A3-50, (B324A1, Rx5094) x (B321A2-8, RxD)	8/4	8/14				
3514	F3 4032A3-51	8/6	8/16	do			
3515	F3 4032A3-52	7/30	5	do			
3516	F3 4032A3-53	8/3	8/13	do			
3517	F3 4032A3-54	8/5	8/15	do			
3518	F3 4032A3-55	8/4	8/14	do			
3519	F3 4032A3-56	8/1	8/11	do			
3520	Texas Patna, ck.	8/24	9/1				183

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-4032A3-57,(B324A1,Rx5094)x(B321A2-8,RxD)	8/1	8/11				3521
F3-4042A1-1,Rx(B321A2-8,RxD) (carlier through 3553) was no number on envelope but almost certain to be the above cross.	8/7	8/19				3522
3-4042A1-2	8/5	8/5	do			3523
F3-4042A1-3	8/10	8/20	do			3524
F3-4042A1-4	8/2	5	do			3525
F3-4042A1-5	8/8	8/18	do			3526
F3-4042A1-6	8/6	8/16	do			3527
F3-4042A1-7	8/3	8/13	do			3528

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cerco-spora	White Tip	
F3-4042A1-8-Rx(B321A2-8, RxD) 3529	7/31 - 8/10					
F3-4042A1-9 3530	8/2 - 8/12	do				
F3-4042A1-10 3531	8/2 - 8/12	do				
F3-4042A1-11 3532	8/4 - 8/14	do				
F3-4042A1-12 3533	8/5 - 8/15	do				
F3-4042A1-13 3534	7/31 - 8/10	do				
F3-4042A1-14 3535	8/4 - 8/14	do				
F3-4042A1-15 3536	8/4 - 8/14	do				

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
F3_4042A1-16 - Rx (B321A2-8, RxD)	8/1		8/12				3537
F3_4042A1-17	8/8		5	do			3538
F3-4042A1-18	8/4		8/14	do			3539
Nira, CK .52	8/9		8/20				3540
F3-4042A1-19 - Rx (B321A2-8, RxD)	8/3		8/12				3541
F3-4042A1-20	8/5		8/15	do			3542
F3 4042A1-21	8/2		8/14	do			3543
F3 4042A1-22	8/1		8/11	do			3544

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cerco-spora	White Tip	
F3-4042A1-23-R x (B321A2-8, R x D) 3545 8/1 - 8/13 (1 late plant)						
F3-4042A1-24 3546 8/7 - 8/18			do			
F3-4042A1-25 3547 8/5 - 5			do			
F3 4042A1-26 3548 8/5 - 8/15			do			
F3 4042A1-27 3549 8/3 - 5			do			
F3 4042A1-28 3550 8/3 - 8/13			do			
F3 4042A1-29 3551 8/1 - 5			do			
F3 4042A1-30 3552 8/2 - 8/12			do			

DATES			DISEASES		
HEADING 1ST	HEADING FULL	FULL RIPE	H.O.	Cercospora	White Tip	
F3-4042A1-31-R x (B321A2-8, R x D) 8/1 – 8/11						3553
F3-4034A3-1 (B324A1, R x 5094) x (B321A2-5, R x D) (34 earliest plants in population through 3590) 8/6-S						3554
F3-4034A3-2 (B324A1, R x 5094) x (B321A2-5, R x D) 8/16-S						3555
F3-4034A3-3 8/16-S			do			3556
F3-4034A3-4 8/16-S			do			3557
F3-4034A3-5 8/17-8/28			do			3558
F3-4034A3-6 8/16-S			do			3559
Texas Patna, < K. 83 8/21 – 9/31						3560

	DATES HEADING 1ST FULL	FULL RIPE	H.O.	DISEASES Cerco-spora	White Tip
F3-4034A3-7-(B32+A1, Rx5094)x(B32A2-5, Rx5 3561	8/21-S				
F3 4034A3-8 3562	8/20-8/29			do	
F3 4034A3-9 3563	8/20-8/29			do	
F3 4034A3-10 3564	8/20-8/29		S-	do	
F3 4034A3-11 3565	8/19-8/29		15R	do	
F3 4034A3-12 3566	8/21-8/31		tr	do	
F3 4034A3-13 3567	8/17-S		S-	do	
F3 4034A3-14 3568	8/25-S		tr	do	

	DATES			DISEASES		
	HEADING 1ST	HEADING FULL	FULL RIPE	H.O.	Cercospora	White Tip	
F3-4034A3-15 (B324A1, Rx5094)x(B321A2-5, RxD)	8/14	-S		S			3569
F3-4034A3-16	8/16	-8/26		do			3570
							Pam
F3-4034A3-17	8/20	-S		do			3571
F3-4034A3-18	8/20	-S-		do			3572
F3-4034A3-19	8/17	-S-		do			3573
F3-4034A3-20	8/18	-8/28		do			3574
F3-4034A3-21	8/20	-S-		do			3575
F3-4034A3-22	8/21	-S		do			3576

	DATES			DISEASES	
	HEADING	FULL			
	1ST FULL	RIPE	H O	Cerco-spora	White Tip
F3 4034A3-23-(B324A1,Rx5094)x(B321A2-5,Rx 3577	8/15 -S-				
F3 4034A3-24 3578	8/13 -S-			do	
F3 4034A3-25 3579	8/20 -S-			do	
Rexoro, CK 3580	8/28 -S				188
F3 4034A3-26-(B324A1,Rx5094)x(B321A2-5,Rx 3581	8/16 — 8/26				
F3 4034A3-27 3582	8/21 -S			do	
F3 4034A3-28 3583	8/20-S-			do	
F3 4034A3-29 3584	8/19 — 8/29			do	

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cerco-spora	DISEASES White Tip	
F3 4034A3-30-(B324A, Rx5094)x(B321A2-5, RxD)	8/20	S				3585
F3 4034A3-31	8/17	S	do			3586
F3 4034A3-32	8/19	S	do			3587
F3 4034A3-33	8/16	8/26	do			3588
F3 4034A3-34	8/16	8/27	do			3589
F3 4034A3-35	8/20	8/30	do			3590
F3-4036A1-1 (B321A2-5, RxD)xR (15 earliest plants in population) through 3606	8/20	8/29				3591
F3-4036A1-2	8/17	8/29	do			3592

DISEASES
H.O. Cercospora White Tip

F3-4036A1-3-(B321A2-5, R×D)×R
3593 8/19-8/29
(par) Shorter stem than adj rows

F3 4036A1-4 do
3594 8/21-5

F3 4036A1-5 do
3595 8/20-5

F3 4036A1-6 do
3596 8/26-5

F3 4036A1-7 do
3597 8/17-8/27 10A
Rev
wd

F3 4036A1-8 do
3598 8/19-5 5

F3 4036A1-9 do
3599 8/17-8/27 10

Texas Patna, ck. 183
3600 8/17-8/28
(1 late plant)

F3- 4036A1-[illegible]

F3 4036A1-10

F3 4036A1-11

F3 4036A1-[illegible]

F3 4036A1-13

F3 4036A1-[illegible]

F3 4036A1-15

F3

Harvest following early rows of

42-3299 — 14 rows can be bulked

2004
2044 2079
2050 2081
2051 2083
2052 2086
2061
2063
2066
2068
Wasp nest on this R-2 2071
2072

Harvest following early clear lines from 404A.

BR-41XEP-

all 19 rows can be bulked

?XR=2248 X 2271-R X
X seg 2254 2272-R X
X seg 2256 2278 seg X
X seg 2257 2286 R X
X seg 2268
X R 2269 2291 R X
X R 2270 2292 R X
2297 R P X
2297 seg X
2323 R X
2350 R X

all cut 9/18/43

Only 1 row 2268 missed
Classified according to 1944 readings from minutebooks

2354
2355
2356
2366
2371
2395
2434

22

2089
2096
2097
2098
2103
2113
2117
2119
2136
2155
2158
2176
2189
2192
2216

2439 row X ✓
2444 pan
2451 pan

2454 row X ✓
2456 row X ✓
2457 X ✓
2461 pan
2469 pan
2479 pan
2489 row X ✓

2493 row X ✓
2506 pan
2507 row X ✓
2538 row X ✓
2547 row X ✓
2552 row X ✓
2553 pan
2589 pan
2594 row X ✓
2595 row X ✓
2618 X ✓
2621 X ✓
2648 row X ✓
2650 row X ✓
2679 row X ✓
2681 row ✓
2685 row ✓
2703 row X ✓
2726 row X ✓

3032 row ✓
3035 row ✓
3037 pan
3039 row ✓
3042 row ✓
3043 row ✓
3048 row ✓
3055 row ✓
3075 pan
3141 row ✓
3271 row ✓
3306 row X ✓
3332 row X ✓
3358 row X ✓
3367 row X ✓
3376 row ✓

2126 pan
2133 pan
2136 row X
2138 pan
2145 pan
2150 pan
2155 row X
2158 row X
2165 pan
2176 row X
2181 row X
2192 row X

2221
X2221
2223

X 6

X3379 row ✓
X3392 row ✓
X3406 row ✓
X3428 row ✓
X3430 row ✓
X3434 row ✓
X3451 row ✓
X3494 row ✓
X3597 row ✓
To next book

back to here

To here

2434 - row
2457 - row

2507 - row
2538 - row
2547 - row
2552 - row
2618 - row
2621 - row

2754 - row
2773 - row
2776 - row
2789 - row
2792 - row
2793 - row
2818 - row
2846 - row
2870 - row
2874 - row
2889 - row
2892 - row
2903 - row
2976 - row
2978 - row not meant to cut
2979 row
2982 row } not cut
2985 row
2988 row

2994 row

3017 row
3018 row
3024 row
3028 row

3035 row
3039 row
3042 row
3043 row
3048 row
3055 row

3147 row
3155 row
56 "
57 "
58 "
59 "
3170 "
" "

Total

1943

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

CEREAL CROPS AND DISEASES

AGRONOMIC NOTES

LAST MONTH

1943 July 1943

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August 1943

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

NEXT MONTH

1943 September 1943

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

LAST MONTH

1943 October 1943

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November 1943

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

NEXT MONTH

1943 December 1943

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

360'

(lig-Butt-long ogl)

Cross long ogl seg from

5196 with 5210

glut - smooth

white hole, solid ogl

Possible Tetraploid
Wet sow of 365 (R x N hulk) 1 of H from cross
Tappi

BUSINESS ENUMERATION FORM

KIND OF BUSINESS Agricultural Research

Firm Name U. S. Department of Agriculture, Bureau of Plant Industry Soils and Agricultural Engineering

Address 303-305 Federal Building Tel. 2420

Names of Owners, Officers or Branch Manager; and all Employees with home addresses

Name	Position	Home Address
Henry M. Beachell--Associate	Agronomist	1055 Central Drive
Edgar C. Tullis	Pathologist	Calder Highlands (842 East Drive)
James B. Moncrief	Junior Agronomist	1233½ Liberty Apt. #5
Virginia Sue Bowen	Stenographer	4496 Highland Ave.

Insert here number additional employees for whom blanks are needed.

District

Form 392-7-45-100M

LAST MONTH

1943 July 1943

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August 1943

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

NEXT MONTH

1943 September 1943

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

LAST MONTH

1943 October 1943

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9

November 1943

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20

NEXT MONTH

1943 December 1943

S	M	T	W	T	F	S
			1	2	3	4

C
C5
5

FIRST CLASS
Permit No. 217
SEC. 510, P. L. & R.
DALLAS, TEXAS

BUSINESS REPLY ENVELOPE

NO POSTAGE STAMP NECESSARY IF MAILED IN THE UNITED STATES

4c POSTAGE WILL BE PAID BY

FARM AND RANCH

P. O. Box 5117

DALLAS 2,

TEXAS

Possible Tetrapolis
Wet sam & 365 (RYN check) 10 Apr from south
Forged

LAST MONTH

1943 July 1943

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August 1943

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

NEXT MONTH

1943 September 1943

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

November 1943

69

51

2

51

5

51

2

51

1

Possible Tetraploid
West row of 365 (R x N hulk) 10 ft from south
Tagged

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.

Size.....1/20 acre.

SOIL

Kind.....Prairie loam.

Position.....Somewhat rolling.

Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....

Disk..... Osborn.....Sharp.

Harrow..... U Bar.....Good.

Seeder..... Monitor.....Good.

.....

SEED

Variety.....Variable.

Weight per bushel.....Variable.

Source.....Variable.

Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation:

1. Disked (lapped half).....4-6-'08.
2. Disked (lapped half).....4-10-'08.
3. Harrowed.....4-10-'08.
4. Harrowed.....4-27-'08.
5. Seeded.....4-27-'08.
6. Harrowed.....4-27-'08.

SEEDING

Manner.....Drilled.

Date.....4-27-'08.

Rate.....3 bushels per acre by weight.

8—72 U. S. GOVERNMENT PRINTING OFFICE

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

..... TEST OF ....., 19.....

CONDITIONS OF EXPERIMENT

PLOT

Location.....

Size.....

SOIL

Kind.....

Position.....

Previous crop.....

NAME AND CONDITION OF MACHINERY

Plow.....

Disk.....

Harrow.....

Seeder.....

.....

SEED

Variety.....

Weight per bushel.....

Source.....

Treatment.....

SEED BED

Preparation:

1. .....
2. .....
3. .....
4. .....
5. .....
6. .....

SEEDING

Manner.....

Date .....

Rate.....

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date_____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

_____ TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disk_____

Harrow_____

Seeder_____

_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

SEEDING

Manner_____

Date _____

Rate_____

	DATES: HEADING / 1ST FULL	DATES: FULL / RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip
F3-4036A1-10, (B321A2-5, RxD) x R 3601	8/20	8/30	5		
F3-4036A1-11 3602	8/20	S	do 10		
F3-4036A1-12 3603	8/21	S	do tr		
F3-4036A1-13 3604	8/23	S	do 5		
F3-4036A1-14 3605	8/19	S	do 5		
F3-4036A1-15 3606	8/20	S	do tr		
F3-4041A1-1 (B321A2-5, RxD) x (B324A1, Rx5094) 3607	8/6	8/16	10R		
appeared to be more promising than 4042A6 account better grain texture (20 earlied plants in population) (through 3626)					
F3-4041A1-2, (B321A2-5, RxD) x (B324A1, Rx5094) 3608	8/6	8/16	10R		
Poor	Stools profusely, early. May be very for meat. Very good.				

	DATES: HEADING 1ST	DATES: FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-4041A1-3, (B321A2-5, RxD)x(B324A1, Rx5094)	8/2	8/12		15			3609
F3-4041A1-4 (1 late Plant)	8/3	8/13		do tr			3610
F3-4041A1-5	8/3	8/13		do 5			3611
F3-4041A1-6 (1 late plant)	8/5	8/16		do 10R			3612
F3-4041A1-7	8/4	8/13		do 10R			3613
F3-4041A1-8	8/3	8/13		do 10R			3614
F3-4041A1-9 (1 late plant)	7/30	8/9		do 10R sog			3615
F3-4041A1-10	7/31	8/10		do 10R			3616

	DATES		DISEASES			
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
F3-4041A1-11 (B321A2-5, RxD)x(B324A1, R[illegible]594) 3617	7/30-8/9		10			
F3-4041A1-12 3618	7/30-8/9		do 5R			
F3-4041A1-13 3619	7/28-8/8		do 5R			
Texas Patna, CK. 3620	8/21-8/31		10			183
F3-4041A1-14 (B321A2-5, RxD)x(B324A1, Rx5094) 3621	7/27-8/6		10R			
F3-4041A1-15 3622	7/31-8/10		do 5R			
F3-4041A1-16 3623	8/1-8/11		do 10R			
F3-4041A1-17 3624	7/31-8/10		do 5R			

	DATES: Heading 1st	DATES: Full	DATES: Full Ripe	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-4041A1-18 (B321A2-5, R x D) x (B324A1, R x 5094)	7/29	8/8		10R			3625
F3-4041A1-19 (Not plant)	7/30	8/9	do	tr			3626
F3-4035A1-1 (B324A1-8, R x 5094) x R (Heaviest plants in population) through 3637	8/26	9/3		10 seg			3627
F3-4035A1-2	8/21	8/31	do	10 seg			3628 pan
F3-4035A1-3	8/24	9/3	do	5			3629
F3-4035A1-4 Shorter straw than others.	8/29	9/3?	do	10 seg			3630 Hv / row
F3-4035A1-5 Has very long straw	8/19	8/29	do	10			3631 Hv / row
F3-4035A1-6	8/22	9/1	do	10 seg			3632

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
F3-4035A1-7, (B324A1-8, Rx5094)xR 3633	8/22 - 5		10			
F3-4035A1-8 3634	8/21 - 5	do	5			
Pam						
F3-4035A1-9 3635	8/21 - 5	do	10			
F3-4035A1-10 3636	8/23 - 9/1	do	5			
Pam						
F3-4035A1-11 3637	8/19 - 8/29	do	10			
F3-4035A2-1 (B324A1, Rx5094)xR 3638	34 earliest plants in population, through 3673 8/23 - 9/1		10			
F3-4035A2-2 3639	8/17 8/27	do	5			
Pam						
3640	Rexoro, CK 9/3		5			188

	DATES			DISEASES			
	HEADING 1ST	HEADING FULL	FULL RIPE	H.O	Cerco-spora	White Tip	
F3-4035A2-3(B324A1,R×5094)×R	8/21	8/31		10			3641 Pan
F3-4035A2-4,(B324A1,R×5094)×R	8/21	8/31		10			3642 Pan
F3-4035A2-5,	8/20	8/30	do	5			3643 Pan
F3-4035A2-6	8/21	9/3	do	5			3644
F3-4035A2-7	8/23	9/2	do	5			3645
F3 4035A2-8	8/21	8/31	do	10			3646 Pan
F3 4035A2-9	8/24	9/2	do	5			3647 Pan
F3 4035A2-10	8/22	9/1	do	5			3648

	DATES			DISEASES		
	HEADING / 1ST FULL	FULL / RIPE	H.O.	Cerco-spora	White Tip	
F3-4035A2-11 (B324A1, R x 5094) x R 3649 8/25 - 9/3			10 Leg			
F3-4035A2-12 3650 8/21 - 5		do	10			
F3-4035A2-13 3651 8/22 - 9/1 PM		do	10			
F3-4035A2-14 3652 8/20 - 9/1		do	10			
F3-4035A2-15 3653 8/21 - 9/1		do	10			
F3-4035A2-16 3654 8/25 - 5		do	10			
F3-4035A2-17 3655 8/28 -		do	11			
F3-4035A2-18 3656 8/25 - 9/3		do	11			

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-4035A2-19(B324A1, Rx5094)xR	8/20	8/30		10			3657
F3-4035A2-20	8/24	9/2		10			3658
Has considerably longer heads than T Patna.							Pan
F3-4035A2-21	8/24	9/2		10			3659
Texas Patna, CK 183	8/21	8/31		5			3660
							Pan
F3-4035A2-22(B324A1, Rx5094)xR	8/22	9/1		10			3661
F3-4035A2-23(B324A1, Rx5094)xR	8/23	9/1		10			3662
F3 4035A2-24	8/19	8/29		10			3663
							Pan
F3 4035A2-25	8/24	9/2		10			3664

	DATES		DISEASES			
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-sporia	White Tip	
F3-4035A2-26, (B324A1, Rx5094)xR 3665 8/24 - 9/2			10			
F3-4035A2-27 3666 8/25 - 9/3		do	10 deg			
F3-4035A2-28 3667 8/22 - 9/1 HW very long straw and very long heads now crowd very bad rows		do	5			
F3-4035A2-29 3668 8/19 - 8/29 (1 late plant)		do	10 deg			
F3-4035A2-30 3669 8/25 - 9/3		do	"			
F3-4035A2-31 3670 8/25 - 9/3		do	"			
F3-4035A2-32 3671 8/23 - 9/3		do	5			
F3-4035A2-33 3672 8/25 - 9/3		do	10			

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
F3-4035A2-34,(B324A1,Rx5094)xR	8/25	9/5		10 day			3673
E-excellent tipture F6-376A2-7-2,(IBRxF)xS 569	7/20	-S-		5			3674
E-V good excellent shape tipture ✓	7/28	-S		5			3675
✓ very good	7/25	-S-		5			3676
✓	7/27	-S-		5			3677
✓	7/28	-S-		5			3678
✓	7/24	-S-		5			3679
Rexoro, CK 188	8/27	9/5		5			3680

Seed later (2 weeks later than B324) from these lines are all very good heads.

	DATES: HEADING / 1ST FULL	DATES: FULL / RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
	F6-376A2-7-2, (IBR x F) x S					V. good
3681	excellent texture in 1942		5			3569
Nv par	8/23 – 9/2 (1 late plant)					
	from a single plot from panicles					
						V. good
3682	excellent texture in 1942		5			✓
Nv par	8/20 – 8/30					
	similar to 3681 except smooth and possibly a little taller. from a single plot					
						V. good
3683	V. good texture in 1942		tr			✓
Nv par	8/1 – 5					
	F6-376A2-19-1, (IBR x F) x S					
3684	excellent texture in 1942		5 avg			3579
	8/16 – 8/26					
	F6-376A2-19-1, (IBR x F) x S					
3685	long grain, excellent texture in 1942		5			3581
	8/18 – 8/26					
	F6-376A2-19-2, (IBR x F) x S					
3686	long grain good texture in 1942		5 avg			3582
Nv rows	8/10 – 8/20					
	An excellent long grain type, short stiff straw very long panicle					
	F6-376A2-19-3, (IBR x F) x S					
3687	No W.T. or Lf. Br in 1942, rather poor qu. texture		tr			3583
	8/8 – 8/20					
	F6-376A2-34-5, (IBR x F) x S					
3688	8/13 – 8/22		5			3594

	DATES: HEADING 1ST	DATES: FULL	DATES: RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
3601	F6-376A2-37-2,(IBR x F)xS	8/15	8/24		tr		3689
3611	F6-376A2-41-2(IBR x F)xS	8/16	8/26		5R		3690
3621	F6-376A2-47-1,(IBR x F)xS excellent texture in 1942	8/10	8/20		5seg		3691
3624	F6-376A2-47-1,(IBR x F)xS v. good texture in 1942	8/10	8/20		10R		3692
3633	F6-376A2-57-1,(IBR x F)xS	8/16	8/26		5seg		smooth 3693 Hv now
3637	F6-376A2-60-2,(IBR x F)xS v. good grain texture in 1942	8/6	S		5		3694
3641	F6-376A2-60-4,(IBR x F)xS	8/9	8/17		10		3695 Hv pan
	ll. earlier than most, standing better						
3648	F6-376A2-66-1,(IBR x F)xS v good texture in 1942	8/6	8/16		10		3696
	Definitely superior to 3695						

	DATES: HEADING / 1ST FULL	FULL RIPE	DISEASES H.O.	Cercospora	White Tip	
	F6-376A2-70-4, (IBR x F) x S					
3697	8/17 - 8/29		5			3652
	yield more in 43 better		shatters very badly.			
	do					
3698	very leafy drying than 42-3652 but shatters badly		5		TA	3653
1st par	cleaner than 3697, shatters very badly					
	F6-376A2-72-4 (IBR x F) x S					
3699	2nd 1942 stiff straw, rather short straw excellent texture					3662
1st par	8/1 - 5					
	Much shorter than Nira more productive good	yield more in 43	(best one)			
	Nira, ck					52
3700	8/10 - 8/19		5			
	F6-376A2-94-1, (IBR x F) x S					smooth
3701	excellent texture in 1942		5			3676
	8/3 - 8/14					
	F6-376A2-96-1, (IBR x F) x S					smooth
3702	8/4 - 8/15		5			3679
3703	8/4 - 8/14		10			smooth ✓
3704	8/2 - 8/12		5			rough ✓
1st par	Excellent. Early Nira type		Del smooth may be SX R			
	much shorter straw but the grain type V. good.					
	Shatters very bad.					

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
Mid 226	F4 3713A1, Shoemed x Rexoro						3705
	8/3	– 5		5			
Mid ✓	8/3	– 8/13 – 2		5			3706
	Very good						Not Pan
Mid 228	F4-3713A3 Shoemed x Rexoro						3707
	8/2	– 5		5			
Mid 228	8/17	– 8/27 do		10			3708
Mid 229	F4-3713A4, Shoemed x Rexoro						3709
	8/17	– 8/27		tr			
Mid 233	F4-3713A8, Shoemed x Rexoro						3710
	V. good texture in 1942			5			
	8/11	– 5					
	3 earlier sels made, V. good types						
Mid ✓	V. good texture in 1942 – 2			5			3711
	8/25	– 9/2					
	Too tall						
Mid 234	F4-3713A9, Shoemed x Rexoro						3712
	8/20	– 8/30		5R			
	Too tall						

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
3713	F4-3713A9-2, Shoemed x Rexoro 8/15 - 8/25 Has exceptionally long panicles		10			Mid 3234
3714	F4-3713A10,-1 v. good texture in 1942 8/27 - S -	do	5			Mid 3235
3715	F4-3713A12-1	do	Shelp			Mid 3237
3716	F4-3713A13-1 8/7 - S	do	5			Mid 3238
3717	-2 8/10 - S	do	10 Seg			Mid ✓
3718	F4-3713A14-1 8/3 - 8/13	do	5 Seg			Mid 3239
3719	-2 8/17 - S	do	5			Mid ✓
3720	B322A4-2-3-1, R x F 8/3 - 8/13		10R			50

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
Mid '243	F4-3713A17, Shoemed x Rexoro						3721
	V. good texture in 1942			10 seg			1Rv
	8/5	8/15		deg gold stem			
	Are a most uniform lines, much better than adj. Rx = grow golds in a plot in 43						Pan (golds)
Mid ✓	9 -Vdo						
	good texture in 1942			15 seg			3722
	8/12	8/22					
Late '233	F4-3713A8, Shoemed x Rexoro						3723
	V. good texture in 1942			5			
	8/17	8/27		very good, much shorter stem than adj T. Pat. guard. sl. earlier, good text.			
V. late '227	F4-3713A2, Shoemed x Rexoro						3724
	8/21	S		5			
'238 Late	F4-3713A13, do						3725
	9/3			10 seg			
~~Mid~~ Late '239	F4-3713A14 do						3726
	~~V. good texture in 1942~~			SR			
	8/21	S					
Prob. late '243	F4-3713A17-1 do						3727
	V. good texture			"			
	9/3						
Mid ✓	17-2						3728
	V. good texture			"			Pan
	8/6	8/16		all gold			
	similar to 3721, compare green tops & gnch. grow last one in plot						

	DATES: HEADING / 1ST FULL	FULL / RIPE	DISEASES: H.O.	Cercospora	White Tip	
3729	F4-3713A18 Shoemed x Rexoro excellent texture 8/6 – 8/16		10 seg			Mid 3244
3730	F4-3713A19-1 excellent texture 8/11 – 8/22		do 10 seg			Mid 3245
3731	19-2 ✓ excellent texture 8/7 – 8/17 Very good gold hull type, much like R x F Possibly more productive		do 11			Mid ✓
3732	F4-3713A21, 7/25 – 8/5		do 5			Mid 3247
3733	F4-3713A22, 8/6 – 8/16		do 5			Mid 3248
3734	F4-3713A24,1 8/12 – 8/22		do 5R			Mid 3250
3735	-2 ✓ 8/10 – 5		do 5 seg			Mid ✓
3736	-3 do 8/11 – 8/21 Very good Marquet type		10 seg			✓

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
Mid 251	F4-3713A25, Shoemed x Rexor	8/3	8/13	10			3737
Mid 254	F4-3713A28, do	7/28	5	10			3738
.901	F9-346B39-9, SxN, May be a RxN	8/1	5	10 seg			3739
	a very good row, v long lbs, stiff straw,						
4	Shoemed, ck	7/26	8/5	5			3740
.902	F9-346B39-18 SxN	8/12	8/20	10 seg			3741
.904	F9-B346B41-2 SxN	8/10	8/21	11			3742
							cut
							Pam
2906	B346B41-4, SxN	8/10	8/20	5R			3743
	B346B42-1 SxN	8/10	8/16	5R			3744

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
3745	B346B42-2 7/28-5-	SxN	5			
3746	B346B42-3 8/6 - 8/16	SxN	10			✓
3747	B346B42-4 excellent med-grain 8/16 - 8/26	SxN	5-	+		✓
3748	B346B42-5 8/5 - 8/15	SxN	5 seg			✓
	Short-grain, short strawed type					
3749	B346B42-6 8/9 - 8/18	SxN	10			✓
3750	F9-347B39-18, 8/7 - 8/17	RxN	10R			2910
3751	F9-347B40-8, 8/11 - 8/19	RxN	5			2913
3752	F9-347B40-9 8/5 - 8/14	RxN	11			2914

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
917	F9-B347B41-3, RxN 8/9	8/19	5			3753
✓	8/9	8/19 do	11			3754
918	F9-B347B41-4 RxN		11			3755
919	F9-B347B41-5, RxN V. good, shaly, stem than average 8/4	8/12	5R			3756
922	F9-B347B41-7, RxN V. good texture and shape 8/6	8/8	11			3757
924	F9-B347B41-9, RxN 8/3	8/13	11			3758
	B347B42-1 8/4	8/13	11			3759
2	~~B347B42-2~~ Nira, ck, 8/8	8/18	5			3760

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
B347B42-2 3761	Sand acc. especially long-grain 8/6 - 8/16	RxN	?			
B347B42-3 3762	v. long-grain 8/31 - 9/8	RxN	"			bat ✓
B347B42-4 3763	8/10 - 8/19		"			✓
B347B42-5 3764	excellent texture & shape 8/11 - 8/20		"			✓
B347B42-6 3765	excellent texture & shape 8/8 - 8/18		"			✓
B347B42-7 3766	8/11 - 8/20					✓
B347B42-8 3767	v. good texture 7/28 - 5		"			✓
B347B42-9 3768	v. good texture 8/9 - 8/19		"			

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
B347B42-10, R × N good texture	8/9	8/19	10			3769
B347B42-11	8/8	8/18	10			3770
stayed green longer & standing better than average, & taller than some Adv						
B347B42-12 very good texture	8/10	8/19	5			3771
B347B42-13	8/6	8/16	11			3772
B347B42-14	8/5	8/15	11			3773
B347B42-15	8/7	8/17	11			3774
B347B42-16	8/7	8/17	11			3775
B347B42-17	8/6	8/16	11			3776

	DATES: HEADING / 1ST FULL	FULL / RIPE	DISEASES: H.O.	Cercospora	White Tip	
3777	B347B42-18 very good texture 8/7 - 8/17		✓			
3778	B347B42-19 8/4 - 8/15		"			✓
3779	B347B42-20 8/12 - S Tobacco		"			✓
3780	Fortuna, ck. 8/4 - 8/14		10			45
3781	B324A1-8-2-1, Rx5094, Sel. (Nome) 8/3 - 8/13		15R			2803
3782	B324A1-8-2-1, Rx5094, Sel. (Nome 8/3 - 8/13		"			2804
3783	do 8/20 - 9/9 May be Rixoo		"			2806
3784	do 8/29 - 9/8		"			2811

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
	B324A1-8-2-1, Rx 5094, Sel. (Nome)						
812	8/31	9/9		15R			3785
	quite stiff straw, and as tall as some sels						(Pan)
822	8/3	8/13	do	11			3786
825	8/4	8/14	do	11			3787
828	8/11	5	do	11			3788
							(Pan)
	F10-3313A1-20-3-2-1-1-2, (Rx 7689)						
845	8/28	9/8		non-shattering			3789
	(1 late plant)			10			
	8/31	9/9		15R non-shattering			3790
846	8/22	9/1	do	11			3791
	8/22	9/1		11 non-shattering			3792

	DATES			DISEASES			
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip		
	F10-3313A1-20-3-2-1-1-2, (Rx 7689)						
3793	8/21-8/31 (2 lots planted)		15	non-shattering			2847
3794	8/21-5 do		11	non-shattering			2848
3795	B3313842- 8/9-5	v. good	26	texture			
3796	B3314B 8/5-8/15		10				2850
3797	F10-3314B38-11-1, (7689xCO) 8/6-8/16		15				2851
3798	F10-3318B40-2, 7689xF 8/3-8/13		20				2133
	Very tall, wide leaves on 7/29 short straw	good					
3799	B3716, Nira 8/21-8/31		10				2790
3800	Nira, 8/12-8/24		20				~~77~~

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
	Guidny		SeL	20			
2789	8/22	S					3801
	do			11			
2788	8/30	9/8					3802
	do			11			
2788	8/29	9/5					3803
	Taman			15			
2779	8/11	8/21					3804
	Gold-hulled Fortuna						
2772	8/12	8/22		11			3805
	Less short. than No. F gold hulls med hl, good - Very clear grain qual.						pan
	B321A2-5 (Nat'l Cross)						
2755	8/17	S		13			3806
	do			20			
✓	8/22	S					3807
	do			15 seg			
✓	8/21	S					3808

	DATES HEADING 1ST FULL	FULL RIPE	H.O.	DISEASES Cercospora	White Tip	
	B321A2-5 (Nat'l Cross)					
3809	8/23-5					2755
3810	do 8/23-5		"			✓
3811	do 8/1-5-		"			2756
	F12-322B39-10					
3812	8/29-9/6		"			2762
	41-S-41, Rexora (Early)					
3813	8/30-9/9	May be Rexora (early?)	"			2791
	B321A2-5,					
3814	8/26-9/4	earlier than original line	"			2794
3815	do 8/22-9/1		"			2795
3816	do 8/28-9/5	earlier than original line.	"			2796

are gold-hulled, rough med.-long grain (not shown)

no shattering, late, very good grain

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
232	2832 - SxK (Crowley)			30 (flavor)			3817
50	B322A4-2-3-1 8/8 -	8/18	RxF	20			3818
	B323B42-1, 8/16	5		"			3819
	Fortuna 8/6 -	8/16		"			3820
	B323B42-2, 9/1 -	9/9		15			3821
764	F12-323B39-J3, RxSBR 8/26 -	9/5		20			3822
766	F12-323B40-3, RxSBR 9/1 -	9/9		15			3823
96	B323B40-2, RxSBR 8/26 -	9/3		20			3824

	DATES HEADING 1ST FULL	FULL RIPE	DISEASES H.O.	Cerco-spora	White Tip	
3825	B323B40-3 8/25 – 9/1	RxSBR	20			101
3826	AL-11-1C, SxF 8/29 – 9/8	a Rx or 11 P mixture ?				2768
3827 (Pan)	B324B40-3 8/16 – 8/26	Rx5094 (St. Af-strawed segregate)	11			208
3828	B342, Med. x Short 8/27 – 5	"				2797
3829	B324A1-8-21, Rx5094 SeL (Nome) 8/31 –	"				2799
3830	B324A1-8-2-1, Rx5094, SeL (Nome) 9/1 –	"				2805
3831	do 8/31 –	"				2808
3832	do 9/1 –	"				2809

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
810	B324A 8/31	1-8-2-1, 9/9	Rx5094,	SeL - 20		None	3833
815	8/27	do - 5		"			3834
816	9/1	do		"			3835
818	B324A 9/1	1-8-21,	Rx5094,	SeL "		(None)	3836
827	B324A 8/26	1-8-2-1, - 9/3	Rx5094,	"			3837
830	8/25	do - 8/31		"			3838
833	B324A 8/25	1-8-2-1, - 9/1	Rx5094,	"			3839
=	Texas Patna, Check. 8/20 - 8/30 (Stiff [illegible] mulaison)			"			3840

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
3841	B324A1-8-2-1, Rx5094 9/1	Stiff-straw, med-grain	10			2834
3842	do 9/1	Stiff-straw, long-grain	10			✓
3843	Prob. Texas Patna 8/22-8/31		15			Pine Island
3844	Prob. Texas Patna 8/22-8/31		20			2097 Mixture
3845	Texas Patna, Sel (early) 8/23-9/1		15			
3846	Texas Patna, (stiff-straw) 9/4		11			
3847	Prob. Texas Patna 8/20-8/29		11			
3348	B324A1-8-2-1A, Rx5094 8/21-8/28	V. stiff straw, culm bent V. large diameter	11			183

pam

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
3047	F9-352A11-2-3-2	8/12	8/22	K x R 5			3849 (pan)
	no shattering						
3047	do	8/11	8/21	11			3850 (pan)
	no shattering (sl. taller than 3849)						
3048	do	8/11	8/21	10			3851 (pan)
3048	do	8/13	8/23	5			3852
3049	do	8/13	8/23	11			3853
3050	F9-352A11-2-3-3,	8/16	8/25	K x R 15			3854
3051	F8-352A1-21-1-1,			K x R 5			3855
	med-grain						
3052	do			11			3856
	long-grain			Res. mod. excel text.			

	DATES HEADING 1ST FULL	FULL RIPE	DISEASES H.O.	Cereo-spori	White Tip	
3857	F8-352A1-21-1-2, K x R 8/27 – 9/5		BK met. 5			3053
3858	F8-352A1-27-1-1, K x R 8/28 – 9/4		BK or earlier, val. tit. 11			3054
3859	do 9/1 – 9/9		Rep. met. easily threshed, med. grain 5			3055
	Pw / good BK grain typ. & Med.					
3860	Blue Rose, 8/29 – 9/5	Check.	5			
3861	F8-352A1-27-1-1, K x R 9/9		Tr		v. late	3056
3862	F8-352A1-38-1-3, K x R 9/5		non-shatt. 5		v. late	3058
3863	F8-352A1-63-1-1, K x R		smooth, 5		v. late	3075
	Pam					
3864	F8-352A1-71-1-3, K x R 8/1 – S		5			3076

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
076	F8-352A1-71-1-3, K×R					3865
076	do					3866
076	8/1-S	do	excel. text.			3867
077	F8-352A1-89-3-3, K×R 8/27-S no shatt.					3868
078	F8-352A1-89-3-4, K×R Hard to thresh					3869
079	F8-352A1-89-4-1, K×R		V. good short-grain			3870
081	F9-352A11-2-1-1-1 K×R 8/19-S 2 Early plants - Have 5 - excellent grain texture on 10/1		exal. long slend.-grain Very good			3871
081	do 8/20-8/29 Similar to Earlier in 3871	1-1-2	exal long-slend-grain			3872

Hv

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
	Fq.352A11-2-1-1, K×R					
3873	8/9-5		excel. long-slend. gr.			3081
	do					
3874	8/9-5					3082
	do					
3875	8/9-5					3083
	Fq.352A11-2-3-2, K×R					
3876	8/23-8/30		non-shatt.			2086
	Ka good lets, non shatt long sl. grain sel.					
	do					
3877	8/20-8/29		5			2086
	Fq.352A11-2-3-2, K×R					
3878	8/22-8/31		non-shatt.			2089
	Pam					
	do					
3879	8/23-8/1 Mamyalbmes		non-shatt			2089
	Rexoro, Check.					
3880	8/31					

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
	F8-353A2-14-1-2, K x 7143						
086	8/30	9/8		5			3881
	Many albinos						Hr
	dubious, late, mat.						
	F8-354A1-13-5-2, SBR x 7143						
094	9/6		late BK type	5			3882
		do					
095			late BK type	tr			3883
	F8-354A1-14-7-3, SBR x 7143						
104	8/1	S	late BK type	5			3884
		do					
104	8/5	S	BK mat.	5			3885
		do					
104	8/8	8/19	V. early	tr			3886
	(1 late plant)						
		do					
104	9/8	S	BK type	11			3887
	F8-354A1-14-7-6, SBR x 7143						
108	9/1		BK mat. smooth	5			3888

	DATES: HEADING / 1ST FULL	DATES: FULL RIPE	DISEASES: H. O.	DISEASES: Cerco-spora	DISEASES: White Tip	
3889	F8-354A1-14-7-6, SBRx7143 8/14-5		5	V. late		3108
3890	F8-354A1-14-8-2, SBRx7143		V. late-long-gr excl. texture tu			3112
3891	F8-354A1-34-2-4, SBRx7143 9/1		Bk type 5			3118
3892			not seen			~~3124~~
3893			not seen			~~3124~~
3894	F8-357A1-32-1-3, SPx7143		tu			3124
3895	F8-357A1-32-1-3, SPx7143		"		V. late	3124
3896	do 8/19-8/29		V. early	long gr.		3125

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
127	F8-357A1-32-1-6, SPx7143		5	V. late		3897
128	F8-357A1-32-1-7, SPx7143		tr			3898
						Pan
134	F8-357A1-32-1-1, SPx7143 9/7		10	V. late		3899
	Blue Rose-41, Check 8/21	8/28	5			3900
135	F8-357A1-32-1-1, SPx7143		10			3901
138	F8-358A3-25-1-2, Kx4700 8/31	9/9	tr	Bk mat - V. good		3902
143	F8-358A3-30-5-1, Kx4700 8/20	8/30	tr			3903
147	F8-359A2-46-2-2, (ExF)x4700 8/1	S	5			3904

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cerco-sporg	DISEASES White Tip	
	F8-3512A38-5-2(SP×SJ)×SBR					
3905	8/19	8/29	tr Bk type			3156
	F8-3512A2-41-2, (SP×SJ)×SBR					
3906	8/23	9/4	Bk type, reduced leaf area. Very good. V clean but two late			3162
	Ht/ many allyo plants tr Bulk with other seed from yield test					
	F8-3512A38-25-3, (SP×SJ)×SBR					
3907	8/28	9/4	Bk mat - V. good			3165
	F8-B3512A2-10-4(SP×SJ)×SBR					
3908	8/20	8/28	mid			2022
3909	8/19	8/27	mid			2022
	3909×B341B42-1, CA×F					
	8/26	9/3				
	B 341B42-2, CA×F					
3910	9/1					
	B 341B39-4, CA×F					
3911	8/26	9/3				2864
	good for yield test					
	F9-B343B4-7, N×K					
3912	8/30	9/8				2885
	good for yield test					

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip		
2887	F9-B343B41-9, N×K 9/5		tr		tall, good, late V. clear text., hard to thresh good for yield test			3913
2886	F9-343B39-9, N×K 8/29 – 9/5		"		~~tall~~; smooth ~~V. clear text, hard to thresh late~~			3914
2879	F9-343B40-4, N×K 9/1 – 9/9		"		~~smooth~~			3915
2878	F9-B343B41-1, N×K 8/25 – 8/31		5		late			3916
2881	F9-B343B41-3, N×K 8/26 – 9/3		tr		late			3917
2884	F9-B343B41-6, N×K 8/23 5		"		V. good			3918
2884	9/1 – 9/9		do "		late			3919
	Caloro, check 8/6 – 8/14		"					3920

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
3921	F9-B344B41-1, CA x K 8/21 - 8/29		ti			2888
3922	F9B344B41-4 8/20 - 8/27	"	"			2891
3923	F9-B344B41-5 8/21 - 8/29	"	"			2892
3924	F9-B344B41-6 8/20 - 8/28 Looks best	"	"			2893
3925	F9-B344B41-9 8/21 - 8/29	"	"			2896
3926	345B42-1 light black hulls 9/1 Bed true for Black-hull	81C x K	"			
3927	345B42-2, 81C x K 9/1 Bed true for Black-hulls		"			
3928	F9-347B40.7 R x N 8/22 - 8/31		5			2912

	DATES: HEADING 1ST FULL	DATES: FULL RIPE		DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
230	F9-B348B41-4, CA x N			tr		late	3929
232	F9-B348B41-6, CA x N 8/28	9/4	good for yield test	s-			3930
233	F9-B348B41-7, CA x N 8/23	5		s			3931
243	F9-348B39-6, CA x N 8/30	9/5		tr			3932
243	8/30	9/5	do good for yield test	s-			3933
236	F9-341B39-14, S x CA 8/26	9/3		s seg		rough	3934
237	F9-341B39-14, S x CA 8/25	9/5		tr		rough	3935
238	F9-B341B41-1, S x CA 8/30	9/5		"		short pub	3936

	DATES			DISEASES			
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip		
	F9-3411B39-10, SxCA						
3937	8/31 — 9/9		Prob-Short pub.				2934
pan	V. good row		5				
	3411 B42-1	SxCA					
3938			5				
	F9-B3412B41-1, CAxR						
3939	9/1 — 9/9		5		late		2952
	Caloro	Check					
3940	8/5 - 8/13		5				
	F9-B3412B41-5, CAxR						
3941	8/26 - S		5				2956
	F9-B3412B41-7, CAxR						
3942	Short-grain + straw, stiff straw, smooth, clear grain		5				2958
	3412 B42-1		do				
3943	8/19 - S						
	3416 B40-5,		N x 7140				
3944	Very good Quality 8/19 - S						2962

	DATES: HEADING 1ST	DATES: HEADING FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip		
	F9-3416B40-5, N x 7190							
962	8/19	– 8/29		5				3945
	F8-3421A4-1-2, 3212 x BR							
968	9/6			"	0			3946
	Shattering, late, very good grain short-med-grain type							pan
	F8-3421B4-1-2, 3212 x BR							
970	9/5			"				3947
	do							
970	9/5			"				3948
	F8-351A1-66-1-1, K x S							
975	short straw, shatt- v. good							3949
	9/2			"				
	F8-351A1-100-1-1, K x S							
989	8/30	– 9/8		"				3950
	do							
989	smooth, late			"				3951
	9/1	– 9/9						
	8/30 – 9/8 do							
989	Rough, – late			"				3952

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
3953	F8-351A1-100-1-1, KxS smooth - late 8/26 - 9/3		10			2990
3954	F8-351A1-106-1-3, KxS Smooth - Non-Shatt - late. 9/2 - 9/9		5			2993
3955	F8-351A1-114-3-2, " tall - Non-Shatt. v. late 9/1 - 9/9		tr			2996
3956	6066-SxK (Crowley)		tr			3006
3957	do smooth - late 8/27 - S		tr			3010
3958	do		5			3011
3959	do looks like BR 8/27 - 9/3		5			3014
3960	Blue Rose - Check 8/25 - 8/31		10			

	DATES: HEADING 1ST FULL	DATES: FULL RIPE	DISEASES: H.O.	DISEASES: Cercospora	DISEASES: White Tip	
	6066 SxK (Crowley)					
3016	late BR type 9/6		5			3961
	2832 SxK, (Crowley)					
3019	BR type 8/26	9/1	5			3962
	do				Co=R	
3019	late BR type 8/26	9/4	5			3963
	2832 - SxK (Crowley)					
3024	smooth 9/2	9/9	tr			3964
3036	do 9/1	9/9	tr			3965
3036	do Good, late - gold-hulls 9/7		tr			3966
Crowley 2-16-2 05	Delitus x Caloro 8/8	8/15	"			3967
Crowley 05	2-16-2, D x CA 8/8	8/15	"			3968

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cerco-spora	White Tip	
3969	2-16-2, D x CA 8/1 - 8/9					Crowley 107
3970	2-16-2, D x CA 8/1 - 8/9		"			Crowley 108
3971	2-16-2 D x CA 8/1 - 8/9		"			Crowley 109
3972	2-16-2, D x CA 8/1 - 8/9		"			Crowley 109
3973	2-16-2, D x CA 8/8 - 8/15		"			Crowley 102
3974	2-16-2, D x CA 8/8 - 8/15		"			Crowley 102
3975	2-16-2, D x CA 8/8 - 8/16		"			Crowley 102
3976	2-16-1 D x CA All early 8/1 - 8/8		5			Crowley 98

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
Crowley 98	2-16-1, DxCA 8/1 – 8/8			Tr			3977
Crowley 102	2-16-2, DxCA 8/6 – 8/13			"			3978
Crowley 102	2-16-2, DxCA 8/6 – 8/13			"			3979
47	Delitus, Check 8/10 – 8/19			5			3980
Crowley 102	2-16-2, DxCA 8/6 – 8/13			Tr			3981
Crowley 104	2-16-2 DxCA 8/6 – 8/13			"			3982
1-6660	CAxD 8/4 – 8/11 3 plants lined			"			3983
7-196	CAxD 8/28 – 9/4 Very good stand			5			3984

	DATES			DISEASES		
	HEADING 1ST FULL	FULL RIPE	H.O.	Cercospora	White Tip	
3985	CA x D 7/30 – 8/6 Very good stand		tr			38-17
3986	CA x D 8/13 – 8/23 Very good stand		5			38-52
3987	2910 A23-3-2, D x CA 41 F1 120-1 8/2 – 5 –		tr			Crowley
3988	41 F1 120-1 D x CA 8/2 – 5.		11			Crowley
3989	41-F1-120-2, D x CA 8/4 – 8/12		5			Crowley
3990	41-F1-120-2, D x CA 8/4 – 8/13		3			Crowley
3991	F5-3747B41-3, 4700 x Rexoro 9/6		tr		Bk mat. shatt bally	3062
3992	F5-3747B41-4, 4700 x Rexoro 8/20 – 5		11	V. late		3063

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
063	F5-3747B41-4, 4700 x Rexoro 8/25 S			Bk mat.			3993
067	F5-3747B41-8, 4700 x Rexoro 8/25 S			" v. late			3994
063	F5-3747B41-4, 4700 x Rexoro 8/27 – 9/3			Bk mat. – excellent straw, grain shape & text. – smooth "			3995
068	F5-3747B41-9, 4700 x Rexoro 8/31 – 9/1			" v. late			3996
072	F5-3747B41-13, 4700 x Rexoro 9/4			v. late like 4700 "			3997
072	9/1	do		v. late, like C7-4700 "			3998
074	F5-3747B41-15, 4700 x Rexoro			" v. late			3999
	B522A4		Check				4000

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercosporia	DISEASES White Tip	
4001	F4-394A4-4, (SP x SJ) x (BR x S309) 8/21	5	R			3975
4002	F5-395A1-1, (SP x SJ) x (B3715, Nira) 8/26	5	5			3826
4003	9/2	9/7	do	"		CO=R 3826
4004	F5-395A1-1, (SP x SJ) x (B3715, Nira) 9/5			"		4029
4005	F5-395A1-3 8/26	9/3	do	R		4031
4006	F5-396A4-11, (SP x SJ) x (R x D) 8/31	9/8		"		4036
4007	F5-3910A1-4, (SP x SJ) x (IBR x F) 8/29	9/5		5		4046
4008	F5-398A5-2, (SP x SJ) x B391, R x D 9/5	5		"		4039

	DATES HEADING 1ST	DATES HEADING FULL	DATES FULL RIPE	H.O.	DISEASES Cercospora	DISEASES White Tip	
4055	F5-391OA2-6, (SP x SJ) x (BR x F) 8/20	8/29		tr			4009
057	-2 do 8/19	8/28		11			4010
059	F5-396A4-3, (SP x SJ) x (R x D) 9/1			11			4011
063	F5-399A1-1, (SP x SJ) x BR-41 9/1	9/9		11			4012
065	F5-399A1-1, (SP x SJ) x (BR-41) 8/21	5		11			4013
66	F5-399A3-1 8/20	8/28	do	5			4014
069	F5-399A3-2 8/25	9/3	do	5	tr		4015
071	F5-399A3-4 9/9 very resistant to H.O.		do	5			4016

	DATES HEADING 1ST FULL	DATES FULL RIPE	DISEASES H.O.	DISEASES Cercospora	DISEASES White Tip	
4017	F4-3916A1-1, Arkrose x (E x F) 9/2 – 9/9		5			4163
4018	do 9/1 – 9/8		10			4163
4019	F4-3916A1-4, do 8/12 – 5		5			4166
4020	Kamrose, A47 – Check. Not Down					
4021	F4-3916A1-8, Arkrose x (E x F) 8/5 – 5		th			4170
4022	✓ do 8/21 – 8/29		5			4170
4023	F4-3916A1-10, Arkrose 8/26 – 9/1		5			4172
4024	F4-3916A1-12, do 8/30 – 9/9		10			4174

	DATES			DISEASES		
	HEADING	FULL				
	1ST FULL	RIPE	H.O.	Cercospora	White Tip	
	F4. 3916A1-15, AFKrosex(ExF)					
4177	9/30	9/9		10		4025

W = sent sample to J. W. Jones for storage

5001 W	Blue Rose Dwarf ARK. HW 10/20 Has a much heavier head and heavier straw than La. Bk dwarf also taller	5001
5002 W	Blue Rose Dwarf La 4056 HW 10/20/43	5002
5003 W	Grassy Dwarf - 4057 La. HW 9/11	5003
5004 W	Garden Rice - 5616-24 (SP x SJ) x SBR HW 10/20/43	5045
5005 W	Dwarf - 241B5-14-1-1, Small Seed (Calif.) HW 9/11	5067
5006 W	Dwarf - (Cal.) HW 9/11	5070
5007 W	Dwarf (Cal.) 271A8-2 HW 9/11	5071
5008 W	Dwarf (La.) (CI 5403-2) HW 9/11	5072

	Thickset Segregate - Big Plant					5009
Crowley 42-0390	Has exceptionally long straw, long head and taller than most dwarfs					Hu 10/20 W
	Blue Rose, Intermediate Dwarf, Nome, Tex. 1939					
25044						5010
						Hu 10/20 W
La	(1239 x E. Prol.) Intermed. Dwarf					(For F4)
35010						5011
					Hu 9/11	W
La.	Rexoro (Dwarf)					
5011						5012
						Hu 10/20 W
	F8-3512A38-25-3, (SR x SJ) x SBR					
3165	Dwarf-Like					5013
					Hu 9/11	
	B 3417B					
	very short plant - Small seed					5014
					Hu 10/20	
	F6-3710A1-23, (K x H) x BR					
2315	Short plant					5015
						Hu 10/20
	do					
2315	Short Plant					5016
	Same as 5015 not Hu					

F4-394A1-34,(SPxSJ)x(BRx5309)

5017 Very short - grassy type, Only 1 tiller 3877

no hv. Produced all normal plants

do

5018 very short - grassy type, Only 1 tiller 3877

Produced normal plants only

not hv

B3712A1-7-2

5019 Very small grassy-like plant 138 increase block

Some seeds with long-ogl.

Hv 9/11

F5-379A6(KxH)x(SPxSJ)

5020 Short, stunted plant 3224

Hv 9/11

do

5021 Normal plant Sig for dwarf chang 52-13 3224

not Hv

Texas Patna Dwarf

5022 small plant from fert.-Rate-Seeding expt.

Hv 10/20

F8-3512A38-5-2(SPxSJ)xSBR

5023 Odd plant 3155

Prob 6/55

Hv 10/20 Prob no seed

Short stature, stunted exserted panicle

40 75A3

5024 6162

Hv 9/20 1st growth very poor. 2nd growth more nearly normal altho plants have short stature

4075A3

6162 — 5025

not Hn

do

6162 — 5026

all 42-6162 rows look alike

Hn 10/20

do

6162 — 5027

normal plant is of normal ht. abnormal may shoot as well as abnormal detrimental plants grow normal plant, / normal plant Hn. on 10/20

do

6162 — 5028

not Hn

4078A12

6271 — 5029

abnormal
Short stature, heavily diseased, tendency to have abnormal florets, Hn 10/20

do

6271 — 5030

Normal plant — not Hn.
Appears to be seg for abnormal characters
30 normal
8 abnormal } ? some abnormals present but over ripe condition makes it difficult to classify.

do

6271 — 5031

Same as 5029
not Hn.

Sathi-059 (La.)

020 — 5032 W

Hn 3/11

5033 W	Sathi (Cal.) Hv 9/11	Intermed. type			5073
5034 W	Sathi, Recessive (Cal.) Hv 9/11				5074
5035 W	Caloro Variant				5068
5036	Caloro Mutant 1 plante no seed produced				5069
5037 W	Caloro Short Plant, R2056 (1940) Hv 9/11				5086
La 5038 W	Caloro X-Ray Mutation-071 Hv 9/11				5028
5039 W	Caloro-Hubb Spots (Disease) Caloro Hv 9/11				5076
5040 W	Caloro-Intermediate Hv 9/11				5077

5080	Caloro Upright Panicle-R2940 (1940)	Hv 9/11	5041 W
5081	Caloro Neck-Leaf (1940) (Cal. Mat.)	Hv 9/11	5042 W
5082	Caloro, Partly Sterile, R2861 (1940)	Hv 9/11	5043 W
5083	Caloro, Partly Sterile, R2872 (1940)	Hv 9/11	5044 W
(La) 5029	Caloro Medium-grain-072	Hv 9/11	5045 W
V-37	4020H1-2, Caloro 6 plant selections, all appeared normal prob a trisomic, but 1 haploid and a number of very short plants	Hv 9/11	5046
	Caloro - Check	Hv 9/11	5047
5075	OLD Hybrid Mixture-Abnormal Sterile Plants	Hv 9/11	5048 W

5049 Butte (White Awns) 5087
W
Hv 9/11

5050 Hybrid Mixture Lot-I-1-1 (Long Outer glumes 5090
W
Hv 9/11

5051 Liguleless-052 La. 5019
W
Hv 10/20

5052 Brittle-051 5018
W
Hv 9/11

5053 Weitin, long outer-glumes
Long outer-glumes 5066.
W
Hv 10/20

5054 Sel. 299-1, Proliferation Panicle 5088
W
Hv 9/11

5055 241B1D-16-1-1, Long Outer-glumes 5089
W
Hv 9/11

5056 2912A21-Virescent-0139 La. 5008
W
Hv 10/20

7 034	Lazy (Ark.) Hn 10/20	5057 Hn 10/20	W
033	Lazy-Rolled Leaf (Arkansas Material)	5058 Hn 10/20	W
9 036	Rolled Leaf (Ark.). Very short, grassy-like plants Hn 10/20	5059 Hn 9/11	W
8 050	Rolled Leaf-B3514A1-25(ExBR)xSBR Fairly tall plants but shorter than normals	5060 ~~Hn 10/20~~	W
079	Rolled Leaf-R2925 (1940) (Cal.)	5061 Hn 9/11	W
La. 009	Tall Small Seed-076	5062 Hn 9/11	
024	C.I-4957, Small Seed	5063 Hn 9/11	W
La. 042	Blue Rose Compact panicle Club panicle	5064 Hn 10/20	

5065 Semi-Dwarf-Sel B353A2-14-1-1-1 (K x 7143)
Club 5047
Hr 9/11

5066 Club panicle Sterile ARK. Mat. 5032
normal plant Hr on 10/20
Hr 9/11

5067 Club panicle highly Sterile F1 (Cox Club) x A 5060
Hr 10/20

5068 F6-376A2-10, (IBR x F) x S
Club-type panicle 3184
Hr 9/20 Hr 9/11

5069 F5-379A3 (K x H) x (SP x SJ)
Club-type panicle 3188
Hr 9/11

5070 CF-7739
Purple Collar 5026
Hr 9/11

5071 Abnormal 2nd Growth (055 La)
(Node shoots) 5005
Hr 9/11

5072 Disease Mutant (Edith x Tortuna) 5051
Hr 10/20

022	SPI-133,000 Large Spikelets awned, La.		5073
		Hv 9/11	
5004	Early Prolific-062 La. (Long outer glumes)		5074
		Hv 9/11	W
5007	Glutinous Red-0174 La.		5075
		Hv 9/11	
5017	CI-3794 Fragrant-032 (La. Mat.)		5076
		Hv 9/11	W
021	CI-4630-Cluster-059		5077
		Hv 9/11	W
048	Single Florets per Rachis Branch (7482 x 5094)		5078
		Hv 10/20/43	W
025	C.I.1239 opaque-6098		5079
		Hv 9/11	W
062	40141-12-15 Blue Rose Heat Mutant Possible trisomic, shortest plant in row all but 2 plants appeared normal. one very short & appeared abnormal, one just short with small head	Hv 10/20	5080

DISEASES
H.O. Cercospora White Tip

5081 Shoemed, purple culm 2747

Hv 9/11

5082 Blue Rose (Wilbert 1940) 2686
Red rice hybrid
Hv 10/20 Fine-stained, very little shattering
Definitely an improvement over red rice
segregating Red & white seed coat color.

5083 3727B42 - F1(Co x Cub) x A
Purple-hulled rogue
Seg for seed stain

5084 3724B42 - F1(Co x Cub) x A

5085 3724B (Nat'l. Cross in 1942) F1(Co x Cub) x A
Brown Seed-coat
Hv 9/11 [illegible]
Hv 10/20 Brown seed coat

5086 3723B42, F1(Co x Cub) x BR
Deep brown Seed-coat
Hv 10/20/43

La. 5087 Purple Plant - 0224 5016
Hv 9/11

5088 CI-4011 5023
Hv 10/20

B3715A2711[(SPxSJ)xSBR]xBR[Sterile 41-5033]

5055 Sterile - very late. 5089

Short stature fails to emerge completely from sheath

Hn 10/20

841-5068 (from Fortuna)

5056 Sterile - very late 5090

Hn 10/20

C 3467

5031 Rexoro - Pr straw 5091

Hn 10/20

BR Rogue

2707 Neck - leaf (Bmt) 5092

not Hn no neck leaf

BR Rogue

707 do 5093

not Hn no neck leaf

BlueRose, 41-5061

5057 Sterile 5094

a number of sterile types present

Saved single panicles from sterile, also singles from normals

Hn 10/20

Meshibu x Supreme BlueRose 343A Short Neck

5043 Sterile. 5095

Hn 10/20

W

Short Stature, Small seeded

5058 Highly Sterile 5096

Hn 10/20

NOTE Tetraploid plants from 42-5037 are ~~grow~~

5097	From Seed set on Nira Triploid in 1940 Short Part (Trisomic) 10/10 grow normals alongside nira	5061
5098	Abnormal Blue Rose (Colch-seed Treatme	5049
5099	Blue Rose 41 Ark Tetraploid-like (1 PL), Sterile Normal	5037
5100	Blue Rose-41 (Ark. Tetraploid plant) Normal	✓
5101	do Normal	✓
5102	do Normal	✓
5103	do Normal	✓
5104	Blue Rose-41, Check	166 ~~5104~~

being grown in Row 5142

4032 H2-24, Blue Rose Heat.
vt-tip plant 5105
Possible tricomic

4032 H 1-9, Blue Rose, Heat
Highly sterile 5106
Breeding time for stability in 1948

4162 H-3, BR
Odd plant - small seed 5107
normal seed set in 1948, a few
small plants present. Possibly tricomics
but prob. not

BR (Colch) 5-2, Off-type CO=R
682 5108
Prob a red rice hybrid

F7-3725B38-5-2, F1(Cox Cub) x B
706 Intermediate Phys. brown. type 5109
mostly normal
in 48

do
706 Intermediate Phys. brown. type 5110
mostly normal
few clear plants

do
706 Intermediate Phys. brown. type 5111
mostly normal

do
706 Clean plant from Phys. brown row. 5112
all clean in 48

5113	F_7-3725 B38-5-2 F_1 (Cox Cub) x B. Phys. brown. Plant. all full pulp brown					3706
5114	Piebald					Crowley 42-0224
5115	Piebald					Crowley 42-0228
5116	Red Hull (1 pr plant present)					Crowley 42-023
5117	3/4 Blue Rose Stricture - above germ.					Crowley 42-0559
5118	Malformed Kernel - Red Hull					Crowley 42-0461
5119	Recessive - (Gu.) CO = S					Crowley 42-034
5120	S x D Recessive - CO = S					Crowley 42-035

owley 2-0361	Recessive-(gw lh y purple, etc.)	5121
owley 2-0360	Recessive - (gw lh y purple, etc)	5122
owley	Early Stone (Compare with Edith)	5123
35	Edith.	5124
	413H 2-11, Caloro sathi-like tiller normal in 4 3	5125
	415H4-1, Caloro sathi-like tiller normal in 4 2.	5126
	415 H4-1, Caloro sterile appeared normal may have been a trisomic	5127
	4119H 2-13, Caloro Tetraploid Tetraploid	5128

5129 419H3-1, Caloro
Tetraploid
Tetraploid in 43

5130 4125H1-1, Caloro
Tetraploid
Tetraploid in 43

5131 4132H1-1, Blue Rose
Tetraploid
no plants

5132 4133H2-2, Blue Rose
Tetraploid
Tetraploid in 43

5133 4133H2-17, Blue Rose
Highly sterile Plant - This shoot tetraploid
all plants tetraploid

5134 4133H2-17, Blue Rose
Highly sterile, Diploid shoot
No tetraploids present, mostly normal

5135 4133H2-19, Blue Rose
Tetraploid
Tetraploid in 43

5136 4143H1-18, Blue Rose
Tetraploid - highly fertile
Tetraploid in 43.

4144H2-21, Blue Rose
Tetraploid 5137
no plants all died

4147H-1-6, Blue Rose
Tetraploid 5138
Tetraploid in 1943

4150H-2-10, Blue Rose
Tetraploid Sector 5139
A proportion of staule types present which look somewhat like tetra. Sp to determine whether tetra or staule

4150H-2-12, Blue Rose
Tetraploid 5140
Tetraploid in 1943

Tetraploid Blue Rose Seeds
Found in 1942 5141
all tetraploid in 1943

Blue Rose-41 (C2854-3) Tetraploid from Stuttgart
-037 From a number of Tetraploid plants 5142
All but 1 plant appeared typical tetra.
Normals from 42-5037 are Rows - 5099-5103

4154H3, B.R.
possibly Not a typical B.R. 5143
Appears normal

4011H2-2 (or 21), ~~Calorro~~?
Much sterility 5144
appears normal except for 1 club-like plant.

5145 4014H2-15, ~~Caloro~~ BR
not a Tetraploid, normal except for 1 highly sterile plant

5146 4031H1-15, Blue Rose 34 sds M-23
Tetra (1 plant)
Tetraploid in 1942

5147 4031H1-19, Blue Rose 16 sds. M-31
2 pl. - tetra
Tetraploid in 1943

5148 4031H1-23, Blue Rose 14 sds. M-24
Tetra — 1 pl
Tetraploid in 1943

5149 4031H1-39, Blue Rose 26 sds. M-25
Tetra — 3 pl.
Tetraploid in 1943

5150 4031H2-35, Blue Rose M-2
Tetra — 2 pl
Tetraploid in 1943

5151 4032 H3-4, Blue Rose
not a tetraploid
mostly sterile plants like original (highly sterile)
several normal plants present

5152 4032H4-4, Blue Rose 22 sds M-3
Tetra — 2 pl.
Tetraploid in 1943

M-35	4035 H3-25, Blue Rose 26 sds Tetra — 4 pl. Tetraploid in 1943	5153
M-12	3942 H1-1-1, Blue Rose 10 sds Tetra Tetraploid in 1943	5154
M-14	3942 H1-2-2, Blue Rose Tetra - 4 pl. Tetraploid in 1943	5155
M-14	3942 H1-2-2, Blue Rose 20 sds Tetraploid in 1943	5156
M-15	3942 H1-2-3, Blue Rose 1 sd. Tetra — 1 pl all dead	5157
M-2	3942 H1-2-4, Blue Rose 17 sds Tetra - 2 pl. Tetraploid in 1943	5158
M-3	3942 H1-2-6, Blue Rose 20 sds Tetra - 2 pl. Tetraploid in 1943	5159
M-20	3942 H1-3, Blue Rose 20 sds Tetra Tetraploid in 1943	5160

✓ = Tetraploid in 1943

5161	3953H1-1a-2, Blue Rose Tetra - 1 pl. Tetraploid in 1943	4 sds	M-4
5162	3953H1-16-1, Blue Rose Tetra ✓	8 sds	M-16
5163	3958H1-1, Blue Rose Tetra - 2 pl. ✓	20 sds	M-21
5164	3958H1-16-4, Blue Rose Tetra - 2 pl. ✓	22 sds	M-18
5165	3958H2-1-2, Blue Rose Tetra - 1 pl. ✓	7 sds	M-5
5166	3958H2-1-5, Blue Rose Tetra - 2 pl. ✓	6 sds	M-7
5167	3960H1-1, Blue Rose 7 pl ✓	23 sds	M-22
5168	3960H1-1a-3, Blue Rose Tetra - 3 pl. ✓	20 sds	M-8

3960H1-1a-15, BlueRose 20 seds
Tetra — 5 pl
5169

RxF Tetraploid (Norma)
2 entirely fertile plant, looks like Nina
Stooled out more than Nina and possibly shorter straw? grown in 194 along side Nina
5170

Triploid - Texas Patna
5171
no photo

Highly Sterile - (Triploid or Tetraploid?)
216 3770 A1-9
appeared normal in 1943
5172
Nickleaf plant present

Caloro Tetraploid (Jones)
11-19 Tetraploid
5173

323B39-13, RxSBR
♀ Cross - 428A
5174

4045A3 (B323A2-8-2-1 x BR-41)
4625 ♀ - 4215A
5175

B34A39-47, BRx5309
07 ♀ - 4210A
5176

5177	B34A39-47, BRx5309 ♀-4211A				107
5178	B34A39-47, BRx5309 ♀-429A				107
5179	B34A39-47, BRx5309 ♂-427A				107
5180	323B39-13, RxSBR ♀-427A				
5181	B41-2462, EP (Scl.) ♂-4217A				2533
5182	B403, Brunmissie ♂-4210A				91
5183	B3722A1-93, FxBR (?) Parent of crosses between 38, Sp Scl and 2916A34 may not be alone as appeared to have clear texture in				
5184	B3722A1-93, FxBR ♀-422A				3444

444	B3722A1-93, F x BR ♀ - 421A	5185
444	3722A1-93, F x BR ♂ - 425A	5186
	3722A1-93 F x BR (Possibly has clear endosperm) ♀ - 4217A	5187
	3722A1-93 F x BR (Possibly clear endosperm) ♀ - 4218A	5188
100	B3512A39-41, (SP x SJ) x SBR ♂ 429A	5189
505	41-S-72, EP ♂ - 4216A	5190
M-52	B41-4808 purple (3025 col) 2a later than CI 3025.	5191
M-48	Multi-Recessive (419A ♀)	5192

5193 Multi-Recessive (413A ♂) M-49

5194 CI-6248 (413A ♀ and 414A ♀) M-50

5195 (CI-3025 Sel) B41-4808 (417A ♂) M-55

5196 F3 418A7, 41-4806(BR4011) x 4055 (Liq Brit.) Liq-Brit.
Sent some seed to Jodon, Spring, 1943

5197 F3 418A5 do Long o.gl. - Brit.

5198 F3 418A5 do Liguleless

5199 F3 418A do long o.gl. - Brit.

5200 F3-418A1 do Liguleless

F3 - 418A1 Long o.gl.		41-4806 (BRx40II)	x 4055B	Lig-Britt	5201
F3 - 418A1 Brittle		do			5202
F3 - 418A5 (Brittle?)		do			5203
F3 - 418A5 Brittle		do			5204
F3 - 418A6 Brittle		do			5205
F3 - 418A6 Brittle		do			5206
F3 - 418A7 Brittle		do			5207
F3 - 418A7 Long o.gl.		do			5208

F3 4110A Multi-Rec x 41-4806 BRx4011 (Long o.gl.)
5209 Glut - Smooth - long o.gl.
Hulls possibly White.

F3 4110A do
5210 Glut - Smooth - Short o.gl. - White hulls

F3 4110A do
5211 Glut. - smooth - long o.gl. -
Hulls Possibly White
egg for hull color plant used for cross
bed stem bulbs

F3 4110A do
5212 Glut. or Seg. - Rough - long o.gl. White hulls

5213
all R
5214
B317A39-5, WxF - Sel #1
CO = R

5215
all R
5216
do - Sel #2
CO = R

B317A39-5, WxF - Sel #3 CO=R { 5217 all R 5218

do

Sel. #4 CO=R. { 5219 all R 5220

do

Sel. #5 CO=R { 5221 all R 5222

do

Sel. #6 CO=R { 5223 Seg 5224

5225 all R 5226	B 317A 39-5, W x F	- Sel. #7	CO = R	
5227 all R 5228	do	-Sel. #8	CO = R	
5229 all R 5230	do	Sel. #9	CO = R	
5231 all R 5232	do	Sel. #10	CO = R	

B317A39-5, WxF,			Sel. #11 CO=R		5233 all P 5234
	do			Sel. #12 CO=R	5235 all R 5236
	do			Sel. #13 CO=R	5237 seg 5238
	do			Sel. #14 CO=R	5239 all R 5240

5241 all S 5242	B317A39-S, W x F -		Sel. #15 CO = R	
5243 all S 5244		do	Sel. #16 CO = S	
5245 all S 5246		do	Sel. #17 CO = S	
5247 all S 5248		do	Sel. #18 CO = S	

F4-404A1-18, (BR-41xEP) clear 5249
43-2254
4418-1
Seg for C.O.

F4-404A1-18 (BR-41xEP) clear (1 opaque) 5250
43-2257
4418-5
R to CO

F4-404A1-29 (BR-41 x EP) clear 5251
43-2268
4425-2
R for CO.

F4-404A1- (BR-41 x EP) 5252
R to C.O. clear
no [illegible]

5253
43-2270
4428-1

F4-404A1-45, (BR-41 xEP) 5254
clear

R to CO 5255

F4-404A1-72, (BR-41xEP) clear 5256
43-2278
437-3
R to C.O

5257	F4-404A1-32, (8R-41 x EP) R to C.P.			clear 43-2286 4445-4
5258	F4-404A1-51, R to C.O.	do		clear 43-2297 4449-4
5259	F4-404A1-20, R to C.O.	do		clear 43-2899 4419-4
5260	F4-404A1-45, R to C.O.	do		clear 43-2904 4428-4
5261	F4-404A1-45 R to C.O.	do		clear 43-2905 4428-5
5262	B42-2664, IBR Rough			2664
5263	B42-2664, IBR Rough			2664
5264	B42-2664, IBR Rough			2664

	B 42-2664, IBR		
2664	Rough		5265
2664	Rough	do	5266
664	Rough	do	5267
2664	Smooth	do	5268
664	Smooth	do	5269
664	Smooth	do	5270
664	Smooth	do	5271
664	Smooth	do - Brows	5272

all are within sheet on 8/2/43

White Tip Nursery:

					1943 Br Nurs No.
5301	F4-401A2, BR-41 x B2913A24				2126
5302	F4-401A5		do		2127
5303	F4-401A12		do		2128
5304	F4-401A17		do		~~2130~~ 2131
5305	F4-401A28		do		~~2132~~ 2135
5306	F4-401A31		do		2138
5307	F4-401A33,		do		214
5308	F4-401A34,		do		2143
5309	F4-401A34-		do		2144
5310	F4-401A35-		do		2147
5311	F4-401A35-		do		2148
5312	F4-401A43-		do		2153
5313	F4-401A49-		do		2155
5314	F4-401A77-		do		2169
5315	F3-4117A1-1,	F1(BR-41 x B2913A29) x B2916A34			2424
5316	F3-4117A1-3,		do		2426
5317	F3-4117A1-4,		do		2427
5318	F3-4117A1-5,		do		2428
5319	F3-4117A1-6,		do		2429
5320	Blue Rose, ck				42-160

					1943 Breed. Nurs. No
5321	F3 - 4117A1-7,	F1(BR-41 x B2913A29)	x B2916A34		243
5322	F3 - 4117A1-8,		do		243
5323	F3 - 4117A1-9,		do		243
5324	F3 - 4117A2-1,		do		243
5325	F3 - 4117A2-2,		do		2436
5326	F3 - 4117A2-3,		do		2437
5327	F3 - 4117A2-4,		do		2438
5328	F3 - 4117A2-5,		do		2439
5329	F3 - 4117A2-6,		do		2441
5330	F3 - 4117A2-7,		do		2442
5331	F3 - 4117A2-8,		do		2443
5332	F3 - 4117A2-9,		do		2444
5333	F3 - 4117A2-10,		do		2445
5334	F3 - 4117A2-12,		do		2447
5335	F3 - 4117A5-2,		do		2449
5336	F3 - 4117A5-3,		do		2450
5337	F3 - 4117A5-5,		do		2452
5338	F3 - 4117A6-1,		do		2453
5339	F3 - 4117A6-2,		do		2454
5340	Blue Rose-41,	CK			42-166

					1943 Breed. Nurs. No
5341	F3-4117A6-4	F1(RR41 x B2913A29)	x B2916A34		2456
5342	F3-4117A6-6,		do		2458
5343	F3-4117A6-7,		do		2459
5344	F3-4117A6-8,		do		2461
5345	F3-4117A6-10,		do		2463
5346	F3-4117A6-11,		do		2464
5347	F3-4117A6-12,		do		2465
5348	F3-4117A6-13,		do		2466
5349	F3-4117A6-14,		do		2467
5350	F3-4117A8-1,		do		2468
5351	F3-4117A8-2,		do		2469
5352	F3-4117A8-7,		do		2474
5353	F3-4117A8-8,		do		2475
5354	F3-4117A10-2,		do		2477
5355	F3-4117A10-3,		do		2478
5356	F3-4117A10-4,		do		2479
5357	F3-4117A10-11,		do		2487
5358	F3-4117A10-12,		do		2488
5359	F3-4117A10-13,		do		2489
5360	S40-25309,	EPxBR			19

					1943 Breed. Nurs. No.
5361	F_3-4117A10-14,	F_1(BR-41 x B	2413A29) x	B2416A34	2490
5362	F_3-4117A11-2,		do		2492
5363	F_3-4117A11-3,		do		2493
5364	F_3-4117A11-5,		do		2495
5365	F_3-4117A11-7,		do		2497
5366	F_3-4117A11-8,		do		2498
5367	F_3-4117A12-1,		do		2499
5368	F_3-4117A12-2,		do		2501
5369	F_3-4117A12-3,		do		2502
5370	F_3-4117A12-4,		do		2503
5371	F_3-4117A16-1,		do		2506
5372	F_3-4117A16-3,		do		2508
5373	F_3-4117A25-1,		do		2517
5374	F_3-4117A25-2,		do		2518
5375	F_3-4117A25-3,		do		2519
5376	F_3-4117A25-6,		do		2523
5377	F_3-4117A25-11,		do		2528
5378	F_3-4117A31-1,		do		2529
5379	F_3-4117A31-3,		do		2531
5380	Blue Rose,	CK.			160

5381	F_3 - 4117A 34-1,	F_1(BR-41 x B2913A29) x B2916A34			2534
5382	F_3 - 4117A 35-1,	do			2535
5383	F_3 - 4117A 35-2,	do			2536
5384	F_3 - 4117A 35-3,	do			2537
5385	F_3 - 4117A 35-10,	do			2545
5386	F_3 - 4117A 35-11,	do			2546
5387	F_3 - 4117A 35-12,	do			2547
5388	F_3 - 4117A 35-13,	do			2548
5389	F_3 - 4117A 38-1,	do			2549
5390	F_3 - 4117A 38-2,	do			2550
5391	F_3 - 4117A 38-3,	do			2551
5392	F_3 - 4117A 38-4,	do			2552
5393	F_3 - 4117A 38-5,	do			2553
5394	F_3 - 4117A 39-1,	do			2554
5395	F_3 - 4117A 39-2,	do			2555
5396	F_3 - 4117A 39-3,	do			2556
5397	F_3 - 4117A 41-1,	do			2557
5398	F_3 - 4117A 48-3,	do			2562
5399	F_3 - 4117A 48-4,	do			2563
5400	Blue Rose 41, ck,				166

on 7/23/43

5401	F_3 - 4117A 48-6,	F_1 (BR-41 x B2913A29) x B2916A34			2565
5402	F_3 - 4117A 52-1,		do		2569
5403	F_3 - 4117A 52-2,		do		2570
5404	F_3 - 4117A 53+54-1,		do		2577
5405	F_3 - 4117A 53+54-2,		do		2578
5406	F_3 - 4117A 53+54-3,		do		2579
5407	F_3 - 4117A 53+54-4,		do		2581
5408	F_3 - 4117A 53+54-6,		do		2583
5409	F_3 - 4117A 55-3,		do		2586
5410	F_3 - 4117A 55-5,		do		2588
5411	F_3 - 4117A 57-1,		do		2589
5412	F_3 - 4117A 57-2,		do		2590
5413	F_3 - 4117A 57-3,		do		2591
5414	F_3 - 4117A 59-1,		do		2592
5415	F_3 - 4117A 59-2,		do		2593
5416	F_3 - 4117A 60-1,		do		2594
5417	F_3 - 4117A 60-2,		do		2595
5418	F_3 - 4117A 62-3,		do		2598
5419	F_3 - 4117A 62-4,		do		2599
5420	S 40-25309,	EPx BR, ck.,			~~42+19~~

5421	F3-4117A62-6,	F1(BR-41xB2913A29)xB2916A34			2602
5422	F3-4117A62-7,	do			2603
5423	F3-4117A62-8,	do			2604
5424	F3-4117A62-9,	do			2605
5425	F3-4117A62-10,	do			2606
5426	F3-4117A62-11,	do			2607
5427	F3-4117A62-12,	do			2608
5428	F3-4117A59-3,	do			2609
5429	F3-4117A62-5,	do			2601
5430	F3-4117A63-1,	do			2610
5431	F3-4117A63-2,	do			2611
5432	F3-4117A63-4,	do			2613
5433	F3-4117A63-5,	do			2614
5434	F3-4117A63-6,	do			2615
5435	F3-4117A63-7,	do			2616
5436	F3-4117A63-8,	do			2617
5437	F3-4117A63-10,	do			2619
5438	F3-4117A63-11,	do			2621
5439	F3-4117A63-12,	do			2622
5440	Blue Rose, ck.				42-160

Tron 7/23/43

Jones Sterile Caloro

		1942 B1995 Row No. plant No
	0-10% Sterility:	
6001	Caloro (Normal)	3273-3
6002	Caloro A	3274-4
6003	Caloro A (sh. pl.)	3275-4
6004	Caloro B	3276-2
6005	Caloro G	3277-5
6006	Caloro G (Sh. Pl.)	3278-1
6007	Caloro I	3279-3
6008	Caloro K	3280-K
6009	Caloro K (sh. pl.)	3281-3
6010	Caloro P_7-pl. 1	3282-4
6011	Caloro P_{13}-pl 1(c)	3283-3
6012	Caloro R 2853	3284-2
6013	Caloro, Comp. Panicle	3285-2
	11 to 20% Sterility:	
6014	Caloro A-1	3286-5
6015	Caloro P_3-1 pl. 3	3287-4
6016	Caloro P_4 pl. 2	3288-3

		1942 Biggs ROW No.	Plan No
6017	Caloro P_4 - pl. 2 (erect)	3289-5	
6018	Caloro, P_{6-1} - pl. 4	3290-4	
6019	Caloro, P_7 - pl. 2	3291-4	
6020	Caloro, P_7 pl. 2 (Sh. pl).	3292-3	
6021	Caloro. P_9 - pl. 2	3293-2	
6022	Caloro, P_9 pl. 2	3294-4	
6023	Caloro, P_{12-1} - pl. 2 (a)	3295-4	
6024	Caloro, P_{13} - pl 1 (h)	3296-2	
	21 to 30 % sterility:		
6025	Caloro, P_1 - pl. 1	3297-5	
6026	Caloro, P_1 - pl. 2	3298-3	
6027	Caloro, P_1 - pl. 2 (sh. pl.)	3299-4	
6028	Caloro, P_6 - pl. 1	3300-5	
6029	Caloro, P_{6-1} - pl. 3	3301-4	
6030	Caloro, P_{6-1} pl. 3 (more sterile)	3302-4	
6031	Caloro, P_9 - pl. 2 (a)	3303-2	
6032	Caloro, P_{13} pl. 1	3304-2	

		1942 Biggs Row No	Plant No
6033	Caloro, P13 pl. 1	3305	3
6034	Caloro, No. 5	3306	5
6035	Caloro, R2836	3307	1
6036	Caloro, R2853 (a)	3308	2
6037	Caloro, No. 17	3309	1
	31 to 40% Sterility:		
6038	Caloro, C	3310	5
6039	Caloro, C (sh. pl.)	3311	2
6040	Caloro, P5-1 pl. 3	3312	(1-5)
6041	Caloro, P8 pl. 1	3313	4
6042	Caloro, R2849	3314	2
6043	Caloro, R2960	3315	4
6044	Caloro, R2041	3316	3
6045	Caloro, R2082	3317	3
	41 to 50% Sterility:		
6046	Caloro, P4-1 pl. 3	3318	3
6047	Caloro, P13 pl. 1 (a)	3319	4
6048	Caloro, 7 (a)	3320	4

		1942 Bigg Row No	Plant No.
6049	Caloro, R2848	3321	4
6050	Caloro, R2063	3322	5
	51 to 60% sterility:		
6051	Caloro, P2 pl. 1	3323	2
6052	Caloro, 9(a)	3324	5
6053	Caloro, R2040	3325	3
6054	Caloro, R2073	3326	4
	61 to 70% sterility:		
6055	Caloro, R2062(a)	3327	3
	71 to 80% sterility:		
6056	Caloro, P6-1 pl 3(a)	3328	1
6057	Caloro, P6-1 pl 3(a) (less sterile	3329	3
6058	Caloro, R2844	3330	2
	81 to 90% sterility:		
6059	Caloro, H	3331	3
6060	Caloro, J(a)	3332	(1 to 5)
6061	Caloro, P9 pl. 1	3333	(1 to 5)
6062	Caloro, P4 pl 2(a)	3334	(1 to 5)
6063	Caloro, P4 pl 2(a) less sterile	3335	1
6064	Caloro, P5 pl. 1	3336	(1 to 5)
6065	Caloro, P10 pl. 2	3337	(1 to 5)

Relative Survival Expt.

Spaced combinations ~~(Original 4-Var.)~~

Pod-Rows (8" apart)

- Guard Row
- ✓ Acadia - Blue Rose
- ✓ Nira - Blue Rose
- ✓ Fortuna - Blue Rose
- ✓ Acadia - Nira
- ✓ Acadia - Fortuna
- ✓ Nira - Fortuna
- Guard Row

Spaced Rows (Original 4-Var. Mixture)
12" Row Spacing 22 Rows about 40' Long

Drilled Mixture (Orig. 4-Var. Mixture)
8" Row Spacing
8 Rows about 16.5-feet Long + 10 Rows about 40-Feet long

Spaced Rows of Following Comb.:
(Bulked in 1940)

12½" Row Sp.

✓	Nira - Blue Rose	3 Rows
✓	Acadia - Blue Rose	"
✓	Fortuna - Blue Rose	"
✓	Acadia - Nira	"
✓	Acadia - Fortuna	"
✓	Nira - Fortuna	"

Drilled Mixture of Following Comb.:
(Bulked in 1940)

8 inch Rows

✓	Nira - Blue Rose	3 Rows
✓	Acadia - Blue Rose	"
✓	Fortuna - Blue Rose	"
✓	Fortuna - Nira	"
✓	Acadia - Nira	"
✓	Fortuna - Acadia	"

F2 Populations:

	No. Rows
404A1, Blue Rose-41 x Early Prolific	10
92 Early plants Sw 9/6/43 for alleli	
273 Late plants Sw 10/12/43 for alleli	
365 91.25	
412A5, B2913A29(Cox BR) x B353A2-14(K x W 43)	10
415A2, Multi-Recessive x 4055B(Aig-Britt. Seq.)	10
416A3, C.I. 6248 x Italian Red	8
41NA2, C.I. 6248 x 41-4808(Pr. Seq.)	9
4112A7, B41-3282(BR) x Blue Rose-41	10
F_1 was R to C.O.; less sterility than most F_1's of this cross. V. Good BR type. Considered best to use in crossing to (K x H) & BR	
4112A18, B41-3282(BR) x Blue Rose-41	8
F_1 was R to C.O.; One of v. best F_1's; Excellent BR type; Shorter straw and sl. earlier than other F_1's.	
4113A3, C.I.-5548 x Shiro Beniya	10

test. 91.25
test 273.75 } 3:1 ratio
365.00

other	fast per	other	fast per
43-7		37-8	
16-9		10-3	
4-3		28-9	
2-7		36-4	
29-45		95-54 = 349	

285 to 65 = 13 : 3 ratio

1-14	
4-9	← R-S ratio
5-8	
3-9	M 1/1
1-40	

Total = 146

48
33
33
32

3-8	
2-6	← R-S ratio
1-23	
2-11	3/1
9-38	

Total = 147

4114A2, C.I. 5548 x Asahi	10
4115A1, C.I. 5548 x Guneki	6
4116A2, C.I. 5548 x C.I. 6796	8
4032H2-1, BR Natl Cr (from Ht. Treat. Expt) (C.O. = R for F_1 plant)	10
B42-3164, (SP x SJ) x SBR off-type A normal plant from a club row.	10
Nira Trisomic	4
B42-2764 Natl. Cross (Prob. F_1) from B323B39-13, R x SBR Straw-hulls.	6
B42-3310, Natl. Cross C.O. = R. From the C.O. susceptible Row of the Sel. 3715A36-6, F_1 (3512A) x SBR.	4

Contains phy brown plants 257 plants

52 – phyobrown

205 – normal

16) 257 (16+ Prob 13:3 ratio

<u>Prob 13:3 ratio</u>

				No Rows
B42-101, Natl. Cross (Prob. F_1) Straw hulls From Gold-hull Sel. B323B40-3, RxSBR				1
B42-110, Natl. Cross (Prob F_1) Straw hulls From Gold-hull Sel. B323B39-13, RxSBR.				2
Gold-hull Caladay Natl. Cross (Straw-hulls)				5.
Total plants = 191 gold = 51 Straw 140				
F_1 - from 38-3033 doubled-haploid				2
421A 1, B3722A1-93 (FxBR) (42-3444) x B353A2-14 (KxN143) (42-3084)				4
421A 2		do		3
421A (BIK.)		do		3
422A (BIK), B3722A1-93 (FxBR) (42-3444) x B39-4312 (401xBR) (42-2641)				1

F_1 plants shattered like 353A2-14 parent.

F1 plants selfed Table 35-242-1-14 present

				No Rows
423A(BIK),	B404A1-46, (BR-41xEP) (42-4429)		x353A 2-14 (Kx7143) (42-3084)	2
423A1,		do		6
424A(BIK),	B404A1-46, (BR-41xEP) (42-4429)		x B39-4912, (4011xBR) (42-2641)	4
424A1 to 12		do		17
425A(BIK),	B404A1-46, (BR-41xEP) (42-4429)		x (B3722A1 93 FxBR) (42-3444)	1
0410 Grassy (Crowley)				1
0418 Grassy (Crowley)				1
0416 Rolled Leaf (Crowley) — segregating				1
(21 grassy rolled leaf 7 double dwarfs)				
much smaller than DD's				
42-DD-3-2, Double Dwarf, (Crowley)				1
42-DD-2-2,		do	do	1
smaller than (3-2) but not as small as 0416 dwarfs.				

A1 = 2 rows; A2 = 2 rows; A3 = 2 rows; A4 = 2 rows; A5 = 1 row; A7 = 1 row;
8 = 1 row; A9 = 2 rows; A10 = 1 row; A11 = 2 rows; A12 = 1 row.

X Brought to greenhouse in fall

F1 Plants and other Materio

Row-I (on South)

379A1- died ✓

X371A2-(B291IA18-1-1, KxH) x (B314A8-2-2-4, SPxSJ)

391A3-(B314A8-2-1, SPxSJ) x Rexoro

393A1-(B314A8-2-1, SPxSJ) x Shoemed

399A1-(B314A8-2-2, SPxSJ) x BlueRose-41

X3920A1-CI-6011 x Blue Rose

X3921A1-C.I.-6011 x C.I. 5309

X3924A1-C.I. 5309 x Blackhull Red

X3925A1-CI-3212 x C.I. 5309

3938A1-Seed from 38-3033 Haploid (Not from a diploid sector shoot)

401A2-Blue Rose-41 x (B2913A29, CoxBR)

404A1-Blue Rose-41 x Early Prolific

4014A1-Blue Rose-41 x Blue Rose

X4027A2-(B323A5-8, RxSBR) x Rexoro

X4030A1-(B3313A1-4, Rx7689) x Texas Patna

X4031A3-Texas Patna x B323A5-8, RxSBR

4032A1-Texas Patna x (B321A2-8, RxD)

4033A1-Texas Patna x (B3313A1-16, Rx768

X4045A1,-(B323A2-8, RxSBR) x Blue Rose-41

4042A1-Rexoro x (B321A2-8, RxD)

In Transplanting Block

9/1/43 WT						
—						
0						
0						
0						
0						
1 leaf.						
0						
0						
0						
0						
0						
1 leaf.						
1 with chlorosis at base of leaf blade						
0						
0						
0						
0						
0						
0						
0						

Row-II

4047A1, - (B2913A31-2, Co x BR) x Blue Rose - 4h

4049A2, - Rexoro x Blue Rose

4051A1, - (B2913A29, Co x BR) x Caloro

X 4112A7, - B41-3282 (BR) x Blue Rose - 41

421A1, - B3722A1-93 (F x BR) x B353A2-14 (K x 7143)
(42-3444) (42-3084)

421A2, - do

422A1, - B3722A1-93 (F x BR) x B39x4212 (4011 x BR)
(42-3444) (42-264)

422A2 do

422A3 do

422A4 do

422A5 do

422A6 do

423A1, - B404A1-46 (BR-41 x EP) x 353A214 (K x 7143)
(42-4429) (42-3084)

423A2 do

423A3 do

423A4 do

423A5 do

423A6 do

423A7 do

9/1/43

1st Seed	WT Tip						
	1 leaf						
	0						
	0						
	trace at at least 1 leaf.						
	0	2 intermediate for club panicle both plants sheath badly					
	0						
7/15	0						
	0						
	0						
	0						
	Chlorosis						
	0						
	0						
	Chlorosis trace						
	0						
	0						
	0						
	0						
	0						

RoW - 3

424A1,	B404A1-46 (42-4429) (BR-41xEP)	x	B39-4312 (42-2461) (4011 x BR)	
424A2		do		
424A3		do		
424A4		do		
424A5		do		
424A6		do		
424A7		do		
424A8		do		
424A9		do		
424A11		do		
424A12		do		
425A1,	B404A1-46 (42-4429) (BR-41xEP)	x	B3722A1-93 (42-3444) (FxBR)	
425A2		do		
425A3		do		
425A4		do		
425A5		do		
425A6		do		
425A7		do		
425A8		do		
425A9		do		

Row-4

426A1,	B323B39-13,(RxSBR) (42-110)	x	Blue Rose-41	
426A2		do		
426A3		do		
426A4		do		
427A1,	B323B39-13,(RxSBR) (42-110)	X	B34A39-47,BRx5309 (42-107)	
427A2		do		
427A3		do		
427A4		do		
427A5		do		
427A6		do		
427A7		do		
427A8		do		
427A9		do		
429A1,	B34A39-47,(BRx5309) (42-107)	X	B3512A39-41,(SPxSJ)xS (42-100)	
429A2		do		
429A3		do		
429A4		do		
429A5		do		
429A6		do		
429A7		do		

Hac 1 white tips leaf.

Chlorosis

Chlorosis + W.T.

do

do

do

do

do

do

Row - 5

4210A1,	B34A39-47, (BRx5309) x B403, Bruin missie (42-107)		(42-91)
4210A2	do		
4210A3	do		
4210A4	do		
4210A5	do		
4210A6	do		
4210A7	do		
4210A8	do		
4210A9	do		
4210A10	do		
4210A11	do		
4210A12	do		
4210A13	do		
4210A14	do		
4210A15	do		
4211A1,	B34A39-47 (BRx5309) x Blue Rose-41 (42-107)		(42-4540)
4211A2	do		
4211A3	do		
4211A4	do		
4211A5	do		
4211A6	do		
4211A7	do		

Lx 2 severe W.T. injured leaves

Lx 2 severe W.T. injured leaves

Row-6

X 4212A1, Intermediate Dwarf x Blue Rose
(42-5044)

4212A2, do

X 4213A1 - Bmt Grassy x Crowley Grassy
(B42-5045) (B42-5003)

4213A2 do

4213A3 do

4213A4 do

4213A5 do

4213A6 do

4213A7 do

4213A8 do

4213A9 do

4213A10 do

4213A11 do

X 4214A1 Blue Rose Dwarf x Bmt Grassy
(B42-5001) (B42-5046)

4214A2 do

X 4215A1, B4045A3 (B323A2 x BR-41) x Blue Rose-41

4216A1, - B3722A1-93 (F x BR) X B41-S-72, EP
(42-38) (42-2505)

4216A2 do

4216A3 do

4216A4 do

15
Head

7/28

7/26

smaller than A2 when transplanted on 7/23/43

7/12

7/12

7/12

/12

Row 7

4216A5, - B3722A1-93 (FxBR) x B41-S-72, EP
(B42-38) (B42-2505)

4216A6 do

4216A7 do

4217A1, - B3722A1-93 (FxBR) x B41-2462, EP
(B42-38) (B42-2533)

4217A2 do

4217A3 do

4217A4 do

4217A5 do

4217A6 do

4217A7 do

4217A8 do

4218A1, B3722A1-93 FxBR x B2916A34 ExBR
(B42-38) (B42-2521)

4218A2 do

4218A3 do

4218A4 do

4218A5 do

4218A6 do

41-6067 died

Sterile Honduras (Jones)
From Seed sent from Wash.
Spring of 1942.

1st lead

7/12

7/18

7/12

7/12

7/12

7/12

7/12

/12

7/12

/12

/12

7/12

/12

/12

/12

7/12

/15

Row - 8

X Blue Rose-41 Haploid

X 3957H1-1, Blue Rose Haploid.

X Caloro, pl-1, Haploid

X Jones Mutant Caloro, Haploid

Caloro A-1.

X 24187-29, Haploid

X KxH, Haploid, B42-2166.

KxH, Diploid Sector from Haploid (A)

KxH, do (B)

X B38-3033, Haploid

X R-4426, Haploid

X B42-2332, Haploid (B3710A1-23(KxH)xBR)

X 3~~47~~22A, Haploid (SPxSJ) x (KxH)

X B42-2323, Haploid (B3710A1-23,(KxH)xBR)

X B40-2777, Haploid (B3512A38-15-3)

X 42-2216, Odd

X 4020H1-2, Odd Just a haploid, short highly sterile

Row - 9

X Blue Rose Trip, Rel. Surv. #2

Blue Rose Tetraploid, Colch #1.

Blue Rose Tetraploid, Colch #2

Blue Rose Tetraploid, Colch #3

~~Bth.~~ 3942H1-2, Tetraploid, (Blue Rose)

3942H1-2, do

3953H1-16-1, do

3958H1-1, do

3960H1-1, do

4014H2-15, do

4031H1-23, do

4031H2-3, do

4032H1-9, do

415~~H4-1~~, Sathi-Lake Tiller, Caloro

419H3-1, Tetraploid, Caloro

411H3-1, Non-Head, Caloro

419H2-13, Tetraploid, Caloro

4125H1-1 do

Row - 10

4133H2-17, Probable Tetraploid Sector, Bl. Rose

4133H2-19, Tetraploid, Blue Rose

4143H1-18, do (Highly Fertile)

4144H2-21, do

4150H2-10, Probable Tetraploid Sector, Bl. Rose

4150H2-12, Tetraploid, Blue Rose

X 42-2336 (Trip)

X 42-2368 (trip)

X 38-3621

X Mira Trisomic (From Seed produced on a Triploid plant)

X R-1390, Triploid

X 38-3061

Plants which died before transplanting to field

4132H1-1

4133H2-2

4147H1-6

Row - 11 (North Row

38 - 4585

X 2913A29 (Triploid)

Blue Rose - 41

Fortuna x Red (42-98)

3710A1-3

3710A1-6

3712A1-15

3710A1-15

X #1 Texas Patina Trip 6 plants

5 Seeds from doubled K x H haploid 5 plants

6 BR Trip 1

7 T. Patina (Large seeded from P. Fo. 3

8 3715A38 (Trip?)

#10. Shule Honduras (Jones) 1

Increase Seedings of New

East end Higinbotham White Tip Expt.

West end Higinbotham White tip Expt.

West End Higinbotham White Tip Expt.

Block East of Tullis Sorghum Expt West

C.I. 3625 a (glutinous) 3 rows

C.I. 5398 (glutinous) 3 rows

F3 - Bulk-Hybrid Population:
B4117A, (F1, B2913A29 x BR-41) x B2916A34
3 rows

B 346 B40-6, Shoemed x Nira
1942 Row - 71. 20 Rows
Rows 85 feet long spaced 1 foot apart

1700 sq. ft.

'arieties.

Fast, Rows about 80-Feet long, Sown 5/3/43

ol # each clean nut = 47 lbs

1553 lbs per A.

½ A

B347B39-18, Roxoro x Nira
1942 Row-84 14-Rows
Rows 81 ft long, spaced 1 foot apart.

B346B39-4, Shoemed x Nira.
1942 Row-76 10-Rows
Rows 69 feet long, spaced 1 foot apart

Bruinmissie - B42-2693 (Smooth)
1942 Row-2693 2-Rows
15 rows 24 ft long, 2 rows 69 ft long
all rows spaced 1 foot apart.

B3712A1-15-1-2 K-N x BR.
(23 rows 24 ft long
12 rows 25 ft long)
all spaced 1 foot apart.

Texas Patna Sel - A
(from field plot variety test)

Bluebonnet.
from Richmond farm (bed rows)

Prelude
from field plots (To be grown

23 pounds seed – clean wt = 29 #'s

about 1320 per Acre

24 pounds seed – clean wt = 21 #'s

1/4 A

about 1514 per A

25 #'s seed – clean wt = 25 #'s

1/4 A

about 2187 per A

45 #'s seed – clean wt = 38 #'s

about 2299 per A

78.1 #'s seed — clean wt. 50 #'s

– Clean wt 145 #'s

2 sacks 1 = 72
1 = 73
145 #'s

82.8 #'s seed – clean wt. 70 #'s

(John Wilfert)

Rows inoculated with Race 2.

Row Nos.	Cross No & Cross	Date inocul
2829-2843	4112A, (B41-3282 x BR-41)	7/5/43
2946-2954	4045A, (B323A2-8, R x S BR) x BR-41	7/5/43
2984-3012	4016A, (Kamrose-47 x BR-41) (F4-lines from Crowley, were R to all C.O. strains in 1942)	7/5/43
3013-3030	4016A, (Kamrose-47 x BR-41) (F4, lines from Beaumont, were R to race 2, C.O. in 1942) South half only of rows 3017-3030 inoculated	7/5/43
3031-3056	4015A, (B2912A13, K x BR) x BR-41 (F4-lines from Beaumont, were R to race-2, C.O. in 1942) South half only inoculated	7/5/43
4012-4016,	399A, (B314A8, S P x S J) x BR-41 F5-lines.	7/5/43

F_2 population:
4112 A 7, (B41-3282, BR x BR-41) 7/5/43

F2 Population:
4112A 18, do 7/5/43

F3 Bulked-Hybrid Plot: 7/5/43
4117A, F_1 (B2913A29 x BR-41) x B2916A34

Cercospora omnivora Inoculated between 8:10 pm and 9:15 p.m. on July 5. Clear, Warm Night.

Practically no infection from inoculation made.

Inoculated North 16 or so feet of all 3 rows

Cross No.	♀ parent 1943 Row No		♂ parent 1943 Row No		
431A	2050	x	2004	✓	
432A	2050	x	2945	✓	
433A	2050	x	2949	✓	
434A	(21)	x	32	✓	
435A	(21)	x	11	✓	
436A	(21)	x	56	✓	
437A	(2836 cm)	x	4 (column x BR)	✓	P.N.
438A	(2836 cm)	x	129	✓	O.D.
439A	(2839)	x	217	✓	
4310A	(2839)	x	2909	✓	
4311A	(2839)	x	2371	✓	
4312A	(2839)	x	212	✓	
4313A	"	x	343	✓	
4314A	"	x	144	✓	
4315A	(3154)	x	129		
4316A	(3154)	x	128		
4317A	(3154)	x	345		
4318A	(3154)	x	4		
4319A	131	x	217	✓	
4320A	131	x	146	✓	

5 to C.O.

Date Cross made		No seeds
7/30		4
7/30		8
7/30		8
8/18	Parent sued	10
8/18	Parent sued	3
8/18	no parent sued	3 (1 good)
8/24		2
8/24		2
8/24	Parent sued	15
8/24	Parent sued	10
8/24	Parent sued	11
8/24	Parent sued	7
8/25	Parent sued	6
"	no parent sued	11
"	"	19
"	"	12
"	parent sued (1st sied	5 enter row 3' from lot
"	no parent sued	6
8/26	Parent sued	20
8/26	Parent sued	8

CN 4321A – 4340A
Higinbotham – Dormancy crosses

Cross No.	♀ Parent 1943 row No.		X	♂ parent 1943 row No.		
4321A	2860 - 1		X	343 - 1		
B	- 2					
4322A	108 (pan. 1)		X	343 - 1		
4322B	108 (pan. 2)		X	343 - 1		
4322C	108 (pan. 3)		X	343 - 1		
4322D	108 (pan. 4)		X	343 - 2		
4323A	131		X	343		
4323B	131		X	343		
4323C	131		X	343		
4324A	128		X	343		
4324B	128		X	343		
4325A	144		X	343		
4326A	108.		X	Red		
4327A	128		X	343		
4328A	144		X	343.		

Date cross made		♀	♂			
8-24		BR41				
8-25		BR41 X (Fort. X Red)				
"						
"		BR41				
"						
"						
"						
8-26		[(K X H) X BR] X (F X R)				
8-26		" (= B3712 A1-7-3-2)				
8-26						
8-27		[(K X H) X BR]				
8-27		B3710 A-1-15				
8-27	Brunnmissie ad B42-2693					
8-27						
8-30						
8-30						

Parent rows to harvest

2004	431A	♂	Hn			
2945	432A	♂				
2949	433A	♂				
2050	431A	♀	Hn			
2050	432A	♀	Hn			
2050	433A	♀	Hn			
4341A	128	X	146			✓
4342A	144	X	146			✓
4343A	128	X	Jones sterile Honduras			✓
4344A	2nt. BR dwarf	X	Ark rolled leaf			✓
4345A	BR dwarf (La.)	X	Ark rolled leaf			✓
4346A	BR dwarf (La.)	X	2nt. BR dwarf			✓
4347A	5211 (multi R long ogl)	X	Leg-Butt (5196)			✓
4348A	5211 (multi R long ogl)	X	BR Dwarf (La.)			✓
4349A	146	X	128			
4350A	146	X	4013			✓
4351A	146	X	4			✓
4352A	146	X	2910			✓
4355A	115	X	2910			✓
4356A	130	X	2371			✓
4357A	146	X	121			✓

No seeds

1/26	parent sowed	18
8/27		10
8/27		6
8/27		2
8/27		3
8/27		7
8/31		2 thin
8/31		3
8/31		
8/31		7
9/3		1
9/3	RL	1
9/3		8
		2
		16 + 6

CN4331 – Hegnubocham
4340 – White tip crosses

	1943 ♀ parent Row No		X ♂ parent 1943 Row No.		
4331 A	3900		2828		
4331 B	3900		"		
4332 A	"		"		
B	"		"		
4333 A	2827		BR41 in	Transplant bloc	
B	"		"	"	
4334 A	"		427A3	"	
4335 A	Transplant BR41		427A3	"	
B	"	"	"	"	
4336 A	"	"	4112A7	"	
4337 A	2827		4112A7		
4338 A	Transpl. BR41		2828		
4339 A	2827		BR41		
4340 A	2827		4112A7		

Date Cross made						
9-1						
9-1						
9-2						
9-2						
9-3						
"						
"						
9-4						
"						
9-8						
"						
9-9						
"						
"						

grassy plant on transplant block. 3 Classes on 1 plant

east side Dis T. Patton
North " Ark rolled leaf
North West Gnt BK (Gonds)

4358A Gnt BK X Jodon Gnter
4359A garden X Ark, Rolled leaf

2839 X gold Colony

4360A (rough) 2839 X 146

4361A (smooth) 2839 X 254

no seeds

2

1

(Oscar) no seeds

(Oscar) 6

(Richard 1

	431A =	3	
	432A =	5	
	433A =	2	
	434 =	2	
2	434 =	3	
	435 =	3	
	437 =	1	
	438 =	1	
	439 =	3	
3	4310 =	4	
	4311 =	3	
	4312 =	2	
4	4312 =	2	
	4313 =	5	
	4314 =	5	
	4315 =	5	
5	4316 =	5	
	4317 =	3	
	4317 =	1	
	4318 =	5	
6	4319 =	5	
	4320 =	5	
	4320 =	3	
	4341 =	3	
7	4342 =	5	
	4343 =	3	
	4344 =	1	
	4345 =	3	(1 cross 2 not crossed)
8	4346 =	5	Only 2 are crossed
	4348 =	2	
	4350 =	3	
	4355 =	4	
9	4356 =	1	
	4357 =	4	
	4358 =	2	
	4360 =	4	

Haps
BR hap (Apl section) (Keg
" "
3710 A1-15
3712 A1-15
BR-41
40-2777
42-2323
38-3033
R-4426 (Jones)
24187-29
K x K
jones mutant
~~calo~~?

Calo pl-1

42-2216 diplod
1390 trip
38-3061
mu tetra like (sed from)
co x BR trip
T.P. v. long sed
4020H1-2 stunt
42-2336 stunt
42-2368
38-3621
39-2419
purple mu

3920 A1
3921 A1
3924 A1
3925 A1
4027 A
4030 A
4031 A
4212 A
4213 A
4214 A
4215 A

Hig

4321A = 4
4321B = 6
4322A = 1
4322C = 2

4322D = 2
4323A = 1
4323B = 2
4323C = 4
4325A = 0
4325A = 1
4328A = 4

3630 row
3631 row
3639 row
3667 row
3681 pan
3682 row
3693 row
3731 pan
3742 row
3748 row
3768 row
3770 row
3783 row
3788 row
3789 row
90 row
91 row
92 row
93 row
94 row

3851 row
3859 row
3872 row

3876 row
3878 row

3881 row
3898 row
3906 row

3924 row
4012 row

5175
5213
5215
5217
5219
5221
5225
5227
5229
5231
5233
5235
5239

173 rows bu.

Can plant about 125-
130 of them, others must
be discarded.

1943

RICE
NURSERY + FIELD PLOTS

Book — II

UNITED STATES
DEPARTMENT OF AGRICULTURE

FIELD NOTES

BUREAU OF PLANT INDUSTRY
DIVISION OF COTTON AND OTHER FIBER CROPS
AND DISEASES

Map in next row of 315

1. on the
2. Mary
3. Napoleon
4. Great all

1.5
3.6
2.0
4.5

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

9. Cultivation: (*a*) Implements used (*b*) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pounds is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seedling vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seedling vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests:
   (*a*) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35–7 (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
   (*b*) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly, at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

U. S. GOVERNMENT PRINTING OFFICE 462628

Statistics
Rubber, etc (Univ of California)

4

252
Glut.
Var.

265
Short
Grain
Var.

276
Uni.
Late

289
Bmt.
Late

311
Singl
Late

326
Bl. Rose
Types

Field
Plots
(Early

Mid.

Late

Pine.
Island
Test
Cotto
Jva
Ta

349
Bul
Hyb

Jones
Upland
Var.

4

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Pine.
Island
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Ivo
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349
Bul
Hyb

Jones
plant
Var.

Glutinous Variety Test:

143 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Days Hd
252	C.I.-3625a	Bmt.	588	7/24	8/1	8/17	39	8/2
			621				40	
			647					
			669					
253	C.I. 5398	Bmt.	589	8/23	8/30	9/17	41	
			618				42	
			642					
			672					
254	C.I. 5399	Bmt.	590	8/21	8/31	9/15	40	
			622				39	
			637					9/
			664					
255	Myogohara Mochi		591	7/26	8/4	8/23	40	8/
	C.I. 6646	Biggs Cal.	615				38	
			641					
			671					
256	Bozu		592	8/1	8/10	9/2	39	
	C.I. 6743	Biggs Cal.	619				39	
			645					
			670					

Lodging	Diseases				Gr Gms. Per Plot
	H.O.	C.O.	W.T.	Lf.Br	
					226
	5				256
					245
					208
					935
	10				305
					278
					399
					310
					1292
	5				349
					306
					289
					296
					1240
	10				242
					212
					314
					198
					966
	5				222
					217
					335
					304
					1078

much bullying in threshing

252 Glut. Var.

T. WT.	Grain Yield / Acre Bu.	Lbs.
		252
		9
41	✓ 31.2	✓ 1402
		253
		1
42.5	✓ 43.1	✓ 1938
		254
		3
43	✓ 41.3	✓ 1860
		255
		5
41.5	✓ 32.2	✓ 1449
		256
		4
42.5	✓ 35.9	✓ 1617

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Day Ht.
✓ 257	Asahi		593	7/10	7/22	8/17	38	8/2
	C.I. 6637	Biggs, Cal. 617					38	
			640					
			667					
✓ 258	CN-841		594	7/21	7/27	8/14	47	8/1
	C.I.-7132	Stutt., Ark. 624					46	
			644					
			661					
259	Mochi gome		595	7/26	8/13	8/30	37	
		Dos Palos, Cal. 620					36	
			636					
			662					
✓ 260	Caloro		596	8/4	8/14	9/4	40	
	C.I. 1561-1	162 Bmt. 612					40	
			639					
			660					
261	Colusa		597	7/11	7/23	8/13	37	8/1
	C.I. 1600	13 Bmt. 613					38	
			648					
			663					

Diseases				Gr
H.O.	C.O.	W.T.	Lf.Br	Gms. per Plot
15				230
				259
				226
				223
				938
10R				195
				218
				180
				203
				796
10				240
				253
				265
				191
				949
15				267
				322
				337
				351
				1277
10				191
				224
				223
				243
				881

Tall very long-grain type, shatters badly, long drooping heads like CI-5309.

T.WT	ain Yield / Acre Bu.	lbs.	
	(8)		257
40.	31.3	1407	
	(13)		258
38	26.5	1194	
	(7)		259
41.	31.6	1424	
	(2)		260
45	42.6	1916	
	(10)		261
43.5	29.4	1322	

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Hv.
	✓Zenith		598	7/23	7/29	8/14	38	8/1
262	C.I. 7787	3 Bmt.	614				37	
			643					
			666					
	✓C4-S2-1,		599	8/5	8/14	9/7	44	
263	D x 654	Crowley La.	616				44	9/13
			638					
			668					
	✓C41-1188,		600	8/9	8/20	9/8	44	
264	654 x AL-11-1	Crowley La.	623				44	9/15
			646					
			665					

Diseases				Gr
H.O.	C.O.	W.T.	Lf. Br	Gms. Per Plot
15				233
				220
				270
				240
				963
10				190
				206
				224
				228
				848
10				225
				272
				209
				146
				852

T. wt	ain Yield / Acre Bu.	Lbs.	
		(6)	262
42.5	32.1	1444	
		(12)	263
39	28.3	1272	
			264
		(11)	
42.	28.4	1278	

Short-Grain Variety Test:

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Ht.
	Acadia		601	8/16	8/23	9/18	41	
265	CI-1988	168	625				41	
	TS-19882		654					
			677					
	Lovell-40		602	8/20	8/29	9/23	40	
266		121	629				41	
			659					
			683					
	B344B39-8,		603	8/16	8/23	9/17	41	
267	CAxK	116	634				43	
			652					
			674					
	B344B39-6,		604	8/17	8/24	9/17	40	
268	CAxK	128	635				42	
			649					
			676					
	CI-6796		605	8/14	8/22	9/15	39	
269		129	628				41	
			658					
			680					

Diseases				G1
H.O.	C.O.	W.T.	Lf.Bl.	Gms. per Plot
10	tr			335
				369
				381
				360
				1445
10	tr			253
				349
				469
				296
				1367
5	R			✓378
				✓343
				308
				✓395
				1424
5	R			263
				368
				372
				314
				1317
tr	R			299
				308
				345
				311
				1263

T. WT. | Grain Yield / Acre | Bu. | Lbs.

265 Short-Grain Var. T.

265 (1) ✓ 48.2 ✓ 2168

46

Sl. longer than Calow, not as much shod.

268 (3) ✓ 45.6 ✓ 2050

44

small seeded Jap, very clear, sl smaller but more uniform size than 268 smaller than CI-6796

267 (2) ✓ 47.5 ✓ 2136

43

considerable variation in size, clear like above

268 (5) ✓ 43.9 ✓ 1976

44

a clear Jap type, much better than Calow, almost as large.

269 ✓ 42.1 ✓ 1894

44.5

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Hv.
270	B2914A 36-3, CA x BR	124	606	8/6	8/14	9/8	40	
			633				40	
			657					9/1
			675					
271	Caloro CI-1561-1 TS-19799	120	607	8/4	8/13	9/6	40	9/12
			627				42	
			656					
			682					
272	Caloro Normal from 1939 Tetraploid line (California)	119	608	8/4	8/13	9/6	43	9/12
			632				45	
			651					
			681					
273	Guneki CI-6899	170	609	8/13	8/23	9/17	34	
			626				34	9/
			650					
			673					
274	Calady Sel. (gold-hull)	2579	610	8/9	8/17	9/10	40	
			630				41	9/
			655					
			679					

Lodging	Diseases				Gr Gms. per Plot
	H.O.	C.O.	W.T.	Lg. Br.	
	5	tr			253
					226
					285
					238
					1002
	10	tr			358
					346
					291
					298
					1293
	5	tr			247
					277
					318
					283
					1125
	5	R			309
					337
					381
					308
					1335
	10	S			253
					260
					263
					227
					1003

2d considerably taller than Colar
on 8/13.

2a sl. shorter than Calody-40 on 8/16.
Vegetatively looked like Calody-40
a number of straw heads present.

T.W.T.	Grain Yield / Acre Bu.	Lbs.	
Very clean Jap type, slo smooth than Color.			270
41.5	✓ 33.4	✓ 1503	
much shod.			271
45	(6) ✓ 43.1	✓ 1940	
			272
45.5	✓ 37.5	✓ 1688	
	(4)		273
45.	✓ 44.5	✓ 2002	
Similar to Calady, Many diseased grains present.			274
43.5	✓ 33.4	✓ 1504	

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Ht.
	Calady-40		611	8/9	8/17	9/10	42	
275		178	631				43	9/9
			653					
			678					
	Uniform Late-Maturing Long- and Long-Slender-Grain							
	B322B39-2,		684	8/31	9/9	10/5	44	
276	RxF	179	729				46	
cut ground			759					
			792					
	B321A2-5, Sel.		685	8/31	9/11	10/6	46	
277	RxD	207	719				50	
cut ground			758					
			795					
	CI-6001		686	9/12	9/23	10/16	48	
278		181	723				50	
			757					
			796					

Lodging	Diseases				Gr Gms. per Plot.
	H.O.	C.O.	W.T.	Lf. Br	
	10	5			263
					279
					239
					303
					1084
Varieties:					
	15	R	0		341
					388
					475
					524
					1728
	10	R	0		248
					370
					348
					380
					1346
	15	R	0		491
					573
					578
					526
					2168

T.WT				ain Yield Acre Bu.	Lbs.
small seeded clear BK Type many diseased grains					275
44		1.1	0.2	36.1	1626
					276
44	69.7	77.7	0.2	57.6	2592
					277
46	66.2	77.4	0.2	44.9	2019
					278
45.5	51.0	76.7	—	72.3	3252

275 Unh Late

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Dat Ht.
	C-3-I-9-2-4,		687	9/12	9/20	10/20	47	
279	BRx(BRxR)	182	721				51	
			765					
			790					
	Texas Patna Sel-A							
	~~B324A1-8-2-1A~~		688	8/21	9/1	9/20	43	
280	~~RxS094~~	183	725				46	9/2
			764					46
			801	cut 1/4 acres = 46				47
	C322A8-30,		689	9/9	9/21	10/16	50	
281	RxF	185	720				54	
			761					
			793					
	C.I.-4700		690	9/12	9/21	10/15	50	
282		186	731				52	
			766					
			800					
	Rexoro		691	9/2	9/14	10/9	48	
283	CI-1779	188	728				48	
	TS-19941		763					49
			794	cut 4 acres = 49				51

cut grand

2nd series grand of this strain mixed with 321B39-12 Be sure to discard + cut row still standing

Diseases				Gr Gms. per Plot
H.O.	C.O.	W.T.	Lf. Br.	
10	R	tr		359
				481
				255
				433
				1528
15	R	0		308
				382
				419
				405
				1514
15	R	0		373
				451
				359
				504
				1687
10R	R	0		415
				427
				460
				482
				1785
10	R	0		331
				328
				417
				505
				1581

Most very wide leaves, al taller than
others at on 8/3

T.WT.				ain Yield / Acre Bu.	Lbs.
					279
44	71.2	78.4	—	50.9	2292
					280
45	70.5	76.4	—	50.5	2271
				(11)	281
44	57.7	77.1	—	56.2	2530
				(5)	282
45	69.5	74.8	Somewhat error. —	59.5	2678
					283
45	67.6	77.2	0.3	52.7	2372

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Ht.
284	Delrex	Crowley La.	692	8/30	9/8	10/5	46	
	RxD		727				46	
	CI-8320		760					
	Short-grain strain		798					
	cut ground							
285	B321B39-12,		693	8/28	9/7	9/28	40	
	RxD	190	724				44	
	cut ground		762					
			789					
286	B321B40-3,		694	8/22	9/1	9/19	40	
	RxD	204	730				40	
	cut ground 9/27		755					9/27
			791	av. ht.	4 inches	42		9/27
287	C3-I-2-23,	Crowley V153	695	8/29	9/6	10/4	44	
	BRx(BRxR)		722				46	
			756					
			797					
288	C3-I-13-2-1,	Crowley V161	696	8/29	9/5	10/9	45	
	BRx(BRxR)		726				47	
			754					
			799					

Diseases				Gr
H.O.	C.O.	W.T.	Lf.Br	Gms. per Plot
15	R	0		336
				410
				405
				526
				1677
10	R	0		282
				426
				387
				428
				1523
10	R	0		321
				391
				503
				476
				1691
10	R	0		325
				430
				453
				390
				1598
10	R	0	+	280
				432
				436
				408
				1556

lighter green color and ol shorter than
Rexoro on 8/3/43

Wide leaves, spreading like BR.

				ain Yield / Acre	
T. WT.				Bu.	Lbs
					284
46	65.9	76.5	—	55.9	2516
					285
44.5	66.1	76.3	0.8	50.8	2284
					286
46	70.5	74.2	0.6	56.4	2536
					287
47	73.1	77.8	0.2	53.3	2397
					288
48	72.3	79.2	—	51.9	2334

Beaumont Late-Maturing Long- and Long-Slender-Grain

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Hd
289	B348B39-3, CAxN	273	697 742 779 810	9/9	9/26	10/16	46 48	
290	✓ B324B39-2-1, RxS094	191.	698 740 768 823	9/2	9/12	10/7	47 49	
291	✓ B323A2-14, RxSBR	192	699 734 776 814	8/27	9/7	10/6	40 42	
292	✓ B324B40-4, RxS094	193	700 746 782 815	8/28	9/9	9/28	44 46	
293	✓ B324B39-16, RxS094	196	701 749 780 807	8/27	9/8	9/28	44 46	

wet ground

arieties:

Diseases				Gr Gms. per plot
H.O.	C.O.	W.T.	Lf. Br.	
tr-5	R	0		310
				371
				437
				368
				1486
10	R	0		272
				360
				390
				355
				1377
10	R	0		314
				416
				436
				447
				1613
5	R	0		274
				318
				476
				381
				1449
5	R	0		284
				371
				402
				436
				1493

many dead leaves at base on 8/3/43
clear for H.O. Tall on 8/3/43

Irregular lit, rather short stem
Very stiff, med grain, smooth stem
shatters very badly

Very good plat, Rather short
stem, very uniform

looks like BK on 8/3

Does not appear to be as long
as 290

Very similar to 292

T.WT.				ain Yield / Acre Bu.	Lbs.	
						289
48	—	—	—	49.5	2229	289 Bmt. Late
						290
45.5	70.5	77.0	—	45.9	2066	
						291
45.	75.7	78.3	—	53.8	2420	
						292
46	67.5	76.5	—	48.3	2174	
						293
46	67.4	76.1	0.2	49.8	2240	

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Ht.
✓ 294	B322A39-32, RxF	199	702	9/2	9/15	10/7	50	
			750				52	
			785					
			822					
✓ 295	Texas Patna Sel-B ~~B324A1-82-1B~~, ~~Rx5094~~	200	703	8/21	9/1	9/21	43	9/27
			738				46	
			786					49
			817	an ht-4 series = 46				47
✓ 296	Texas Patna, TS-33106 CT8321	201	704	8/23	9/3	9/25	45	9/27
			744				48	
			788	bad place in plot (24")				50
			811	an ht all 4 series = 48				49
✓ 297	Texas Patna Sel-C ~~B324A1-82-1C~~, ~~Rx5094~~	202	705	8/25	9/2	9/25	45	9/27
			745				48	
			787					51
			809	an ht 4 series = 48				49
✓ 298	B324B39-2, Rx5094	205	706	9/2	9/13	10/4	47	
			753				47	
			772					
			802					

Diseases				Gr
H.O.	C.O.	W.T.	Lf. Br	Gms. per plot
10	R	0		332
				364
				503
				410
				1610
10	R	0		284
				364
				514
				440
				1602
10	R	0		284
				399
				468
				459
				1610
15	R	0		319
				435
				558
				450
				1762
10	R	0		295
				386
				391
				362
				1434

Much taller and better (darker) color than other lots on 7/18/43, still taller than others on 8/3/43. V. good, Very tall when ripe

T.Wt.				·ain Yield / Acre Bu.	lbs	
						294
44.5	68.6	77.4	—	53.7	2415	
						295
46	68.9	79.8	0.1	53.4	2403	
						296
45.5	66.8	75.9	0.3	53.7	2415	
						297
44.5	68.3	75.4	0.3	58.7	2643	
						298
46	64.5	70.5	—	47.8	2151	

6

1943 No	Variety	No 1942	Seq. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in)
✓ 299	B3313A1-4,		707	8/24	9/3	9/26	47
	Rx7689	209	741				49
			784				
			819				
✓ 300	Rexoro		708	9/3	9/14	10/9	48
	CI-~~1799~~ 1779	211	732				48
	TS-19941		777				52
			805	on lst series - 49			50
✓ 301	B323B39-13,		709	9/1	9/9	10/6	47
	RxSBR	110	747				46
			771				
	cut grand		806				
✓ 302	B355A2-36,		710	9/8	9/21	10/14	47
	(ExF) x7143	113	748				46
			773				
			803				
✓ 303	B3411B39-6,		711	9/11	9/8	10/12	49
	SxCA	130	736				50
			769				
			820				

Diseases				Gr
H.O.	C.O.	W.T.	Lf.Br	Gms. per plot
15R	R	0		348
				388
				470
				432
				1638
10	R	0		304
				420
				465
				429
				1618
10	R	tr		322
				325
				377
				387
				1411
5R	R	0		335
				272
				394
				486
				1487
5	R	0		390
				436
				552
				482
				1860

Taller than other subs on 8/3/43
also a darker green color. Very upright
growth habit. Narrower leaves than Exog.
Dries back very rapidly, Breaking
over on 10/8

Highly resistant to H.O.

Rather light green color, very tall on 8/3
Shoemed appearance, very good.

T.wt.				ain Yield / Acre Bu.	Lbs.	
						299
43	67.7	77.6	0.7	54.6	2457	
						300
45.5	63.6	76.5		53.9	2427	
						301
45.5	70.3	73.6		47.0	2116	
						302
41	48.1	75.7	—	49.6	2230	
					(4)	303
45	70.9	79.5	—	62.0	2790	

1943 No	Variety	No 1942	No Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)
✓ 304	B3313A1-20,		712	8/25	9/9	10/4	48
	Rx7689	2845 etal	739				48
cut panel			774				
			816				
✓ 305	B352A1-88, 2-2,		713	9/3	9/21	10/19	48
	KxR	285	751				50
			778				
			818				
✓ 306	B352A1-27-1-1-2,		714	8/27	9/9	10/2	46
	KxR	3055	735				45
			775				
			821				
✓ 307	B352A1-27-1-1-3,		715	8/28	9/7	10/3	44
	KxR	3056	737				47
			767				
			812				
✓ 308	B352A1-21-1-1,		716	9/4		10/10	46
	KxR	(3052 in 1st)	752				48
		280 in 2nd, 3rd, + 4th	783				
			808				

	Diseases				Gr
	H.O.	C.O.	WT.	Lf. Br	Gms. per Plot
	10	R	0		325
					425
					481
					483
					1714
	15	R	0		446
					486
					670
					518
					2120
	10	R	0		306
					389
					423
					364
					1482
	5	R	0		315
					393
					436
					568
					1712
	15	R	0		367
					479
					565
					530
					1941

Similar to A1-4 on 8/3 except sl. wider leaves. Tachitten Rice on 8/3 almost as tall as A1-4, sl. lighter green color.

appears to be one of most productive, Uremia in test, very long body, very uniform, moderate ht. may become segregates for maturity.
Very little shattering

Rather short grain type

Rather short straw, clean, sl irregular ht, rough, gold. med grain SK type fairly good

Similar to 306, more uniform ht, longest grain type almost a long-grain, rather plump.

appears much heavier than 306 & 309, short straw, uniform ht good, med-long grain

T.Wt				a in Yield / Acre Bu.	Lbs.	
						304
						(8)
44.5	67.4	75.9	0.5	57.1	2571	
						305
						(2)
48.5	78.3	79.7	0.1	70.7	3180	
						306
46	72.2	77.1	0.2	49.4	2223	
						307
						(9)
43.5	69.5	80.1		57.1	2568	
						308
						(3)
1st 44.5						
43.5	77.1	81.5		64.7	2912	

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Hv
309	C3-I-2-25, BRx(BRxR)	Crowley V154	717	9/1	9/8	10/5	47	
			733				49	
			770					
			804					
310	B42-3032, (RxD) ~~(rogue) SxK~~	3032	718	9/15		10/19	52	
			743				54	
			781					
			813					

cut grain

or 311A

Single Late-Amaturing long- and long-slender-grain Varieties:

348	B322B39-5, RxF	271	824	8/30	9/9	10/4	50	
311 cut grain	B347B39-28, RxN	269		8/28	9/9	10/4	49	
312 cut grain	B3313B39-9, Rx7689	272		8/22	9/2	9/26	46	
313 cut grain	B352A1-21-1-1, KxR	3051		9/3	9/10	10/10	47	
314 cut grain	B352A1-21-1-2, KxR	3053		8/22	9/29	9/20	43	9/2
315 cut grain	B352A1-21-1-3, KxR	281		8/24	9/3	9/25	45	9/1
316 cut grain	B352A1-27-1-1, KxR	3054		8/18 S	8/30	9/18	40	2
317 cut grain	B352A1-49, KxR	275	831	8/30	9/9	10/4	46	

Diseases				Gr. Gms. per plot
H.O.	C.O.	W.T.	Lf. Br.	
5	R	1	+	306.
				362
				465
				397
				1530
15	R	0		366
				399
				440
				383
				1588
10	R	0		312
10	R	0		349
10	R	0		385
5	R	1		495
10	R	0		555
10	R	tr		337
5	R	1		417
10	R	tr		460

wide-leaves, semi spreading like
BK on 8/3, Dale not appear
to be very hay yielding

Vinylad for HO on 8/3, definitely not Rexo.
Very late
Very little shattering, appears quite
hay. Has flavor

wide leaves, 8/8/43
Shatters very badly.

Taller than Rexo on 8/3/43 good
Looks especially good on 8/25. much taller than
Rex; T Patina color, more vigor than either

Tall on 8/3/43, upright. Similar to 304
except earlier & of smaller grain. V. good

A21 lines are all very dark green on 7/28/43
upright growth 8/3/43 on all A21 lines, Very hayy

as early as BK. Jap straw type
should be a very hay yielding type
narrow leaves —

Similar to 314 except taller and
more irregular in lit — hay grain length

lighter green color + wider leaves than
A21 lines on 8/3/43. Very stiff straw
Anby fairs — P non dec

like Rexo on 8/3/43 except darker color,
short straw, Very sturdy, will hill more smooth
Very good, Does not shatter

T. WT.					ain Yield / Acre Bu.	Lbs.	
							309
47.	72.5	77.9	tr		51.0	2295	
							310 311 Single Late
45.					52.9	2382	
ceptionally large seeded type, very ong, about as full as Durio. trike W.C.					41.6	1872	348
. shorter than Reno, much plumper, ood milling. tr W.C.					46.5	2094	311
ry slender-grain type as long as T.P. ore slender, rather dull texture, ry good milling.					51.3	2310	312
cellent texture, no breakage, small seeded type, very good					66.0	2970	313
imilar to 313 for texture, size & shape Very good, grain sl shorter					74.0	3330	314 (2)
imilar to 313, except. egregating grain length					44.9	2022	315
cellent texture, no breakage lery a medium-gr. for length somewhat e. but not slender as TP or Reno.					55.6	2502	316
most a medium-grain for length, excellent texture ed wheat possibly some segregation for length					61.3	2760	317

1943 No.	Variety	No 1942	No Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Dex Ht.
318	B352A1-59, KxR	282	832	8/22	9/10	10/5	49	
319	B352A1-70, KxR	283		8/26	9/3	9/28	48	
320	B352A1-88, 2-1 KxR	284		8/23	9/1	9/30	44	
321	B352A1-59, KxR	198		9/1	9/10	10/5	48	
322	B354A1-14, SBRx7143	274		8/25	9/4	9/30	49	
323	B357A1-32-1-6, SPx7143	3127		8/31	9/16	10/5	54	
324	CI-5548	206		8/20	8/28	9/30	47	
325	Iola CI-4559 TS-19930	194		8/29	9/4	9/30	52	

	Diseases				Gr
	H.O.	C.O.	W.T.	Lf. Br.	Gms. Per Plot
	10	R	1		476
	5 seg	R	0		558
	10	R	0		539
	5 seg	R	tr	+	493
	10	R	0		405
	10	R	0		391
	10	R	0		516
	10	R	0		274

Tall on 8/3/43
Tall when ripe, quite productive, very little if any shattering

Tall on 8/3/43 very good
Very similar to 318, except shorter straw and shorter grain, also earlier

Short straw, uniform, large. Very good no shattering. Very good med-grain type, rather thin stand

A very long yielder, Rather tall very clean straw standing well big grain type

Tall, very good on 8/6/43

Tall very good on 8/3/43 Wide leaved rather light green color

	Yield / Acre Bu.	Lbs.	
most a med. gr for length, weak texture very good	63.5	2856	318
very short-grain, dull texture, much breakage	74.4	3348	319 (1)
short-med-gr. type, rather poor texture, some shed. rather poor shape	71.9	3234	320 (3)
two grain types, short plump grain, (has some plod) almost med. grain (has no shed or chalk) both have very clear texture, no breakage	65.7	2958	321
small rather cyl. short-grain type, dull texture, no breakage, th. shed.	54.0	2430	322
exceptionally large seeded type, small amount of breakage, considerable W.C. (rot due to storm) V. good qual.	52.1	2346	323
large white centers + much shed.	68.8	3096	324
	36.5	1644	325

Blue Rose Types:

1943 No	Variety	No 1942	No Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Day Hd
326	Blue Rose Sel. (E. Pearl type)		840	8/16	8/22	9/18	44	
		247	873				44	
			892					
327	S-41-99, BR		841	8/20	8/26	9/21	48	
		249	870				50	
			885					
328	S-41-123, BR		842	8/19	8/24	9/21	47	
		250	875				47	
			882					
	Triploid plant found.							
329	S-41-155, BR		843	8/20	8/27	9/21	49	
		251	881				49	
			900					
330	Blue Rose Sel. (Wilfert)		844	8/23	9/1	9/26	51	
		252	880				51	
			888					

Diseases				Gt
H.O.	C.O.	W.T.	Lf. Br	Gms. per plot
20	S	th		445
				371
				325
				1141
20	S	th		454
				520
				342
				1316
15	S	1		419
				399
				317
				1135
15	S	1		477
				516
				354
				1347
15	S	th		388
				382
				262
				1032

lighter green color and sl. wider leaves than 327 & 328. as well as BR-7183
It also like 12A1-7, very uniform lt.
good - bad for H.C.
almost as much burning as 335

Taller and later than other BR's

T.W.

							aim Yield Acre Bu. Lbs.
good small seeded BK.							
							326
							50.7 2282
44.5	74.7	77.7	(2)				
Fair BK							
							327
							58.5 2632
44.5	69.6	77.2	0.2				
Good BK							
							328
							50.4 2270
46.5	71.3	78.1	—				
good BK							
							329
							59.9 2694
45.5	71.5	78.3	(2)				
ll. longer than average BK, good							
							330
							45.9 2064
44.5							

326 Bl. Rose Types

1943 No	Variety	No 1942	No Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Dax Hu.
331	Blue Rose Sel. (Wilfert)	254	845 874 897	8/18	8/24	9/20	49 47	
✓ 332	Blue Rose-41 (C2854-3) TS 39108 CI 8317	253	846 861 887	8/17	8/23	9/20	48 46	
✓ 333	Blue Rose CI-1962 TS-7183	257	847 872 890	8/17	8/23	9/20	47 47	
✓ 334 cut ground	B3712A1-7-2;1, (K x H) x BR	2347 2347 2349	848 879 899	8/16	8/22	9/18	43 43	
✓ 335	Supreme Blue Rose CI-5793 TS-19802	108	849 871 896	8/19	8/25	9/21	49 45	

Diseases				Gr
H.O.	C.O.	W.T.	Lf. Br.	Gms. per plot
20	S+	1	+	473
				400
				246
				1119
20	R	0	+	531
				449
				360
				1340
20	S	th	+	492
				456
				383
				1331
15	R	th		497
				530
				355
				1382
20	S+	1	+	436
				361
				246
				1043

Browner than average on 10/11
about like 335

Practically no CO on 10/11

much less browning than 335
and 326.

fewer dead leaves at base on 8/3 and almost
upright growth than BK. less HO also

as taller or taller than A1-15 (336)
much worse for CO_2 than -7183. as brown
as 331 on 10/11

T.WI

					ain Yield / Acre		
					Bu.	Lbs.	
less chalk than 332 or 333,							
sl. more cyl.					(2)		331
					✓	✓	
					49.7	2238	
46							
about like #333							
					(3)		332
					✓	✓	
					59.6	2680	
45.	70.2	77.1	0.2			(16,5)	
lb. more chalk than SCR							
					(4)		333
					✓	✓	
					59.2	2662	
44.5	69.9	78.1	—			(16,4)	
Fairly good milling, a number of							
discored grains present.					(1)		334
					✓	✓	
					61.4	2764	
45	71.8	77.3	—			(17.1)	
Good miller, very little breakage							
							335
					✓	✓	
					46.4	2086	
46	72.1	76.8	—			(12.9)	

1943 No	Variety	No 1942	No Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)
✓ 336	B3710A1-15-2-2, (K x H) x BR	2248	850 867 893	8/16	8/22	9/19	47 47
337	B297A18-2, Co x D	246	851 864 884	8/17	8/23	9/17	48 47
338	B3725B39-1, F1(Co x Cub) x D	90	852 877 894	8/19	8/25	9/20	47 46
339	B342, Med. x Short	95	853 868 895	8/18	8/24	9/21	48 48
340	B42-2642, BR	2642	854 862 883	8/27	9/2	9/28	47 46

cut grade

same origin as 43 now 2792

Gr

Diseases				Gms. per plot
H.O.	C.O.	W.T.	Lf.Br.	
5	R	1		477
				453
				293
				1223
10	S	1		435
				451
				310
				1196
10	S	1		466
				498
				335
				1299
10	S	0	+	402
				460
				306
				1168
5	R	✓		330
				317
				279
				924

Very good - Uniform lt. clean straw, lighter weight straw than PSR,

Irregular lt, fairly bag

Very dark green color on 8/2
as clean or cleaner than TS 7183
for GO, on 9/27,

Mostly bearded.,

Short heads, considerable stemlity
Straw looks very good

T. WT				ain Yield / Acre Bu.	Lbs.	
Cyl. BK type, many discard grains present.						336
				✓ 54.4	✓ 2446	
44.5	74.0	79.0	—		15.1	
Large-seeded, no breakage Excellent miller, unduly soy for blod. as few blood-grains slowly blod. are present.				✓ 53.2	✓ 2392	337
45. Almost as large as BK. good considerable breakage				✓ 57.7	✓ 2598	338
45. Good small seeded BK type				✓ 51.9	✓ 2336	339
45.5 Almost as long as BK, much more cyl.				✓ 41.1	✓ 1848	340
44.						

1943 No	Variety	No. 1942	No. Sdg Grad.	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)
341	36-MS, Med. x Short	88	855 863 886	8/17	8/22	9/20	46 45
342	B34A2-3, BR x 5309	94	856 878 902	8/22	8/31	9/25	59 52
343	B406, F x Red	98	857 876 889	8/23	9/2	9/27	44 44
344	B34A39-47, BR x 5309	107	858 869 901	8/23	9/1	9/25	51 51
345	B2920B38-11-1, IBR x F	109	859 866 891	8/26	9/5	9/28	51 49

Diseases				Gr. Gms. per plot
H.O.	C.O.	W.T.	Lf.Br.	
15	R	1		407
				388
				405
				1200
10	R	0		468
				447
				277
				1192
10	R	tr.		326
				307
				266
				899
10	Seg	tr	0	530
				464
				305
				1299
10	R	1	0	360
				315
				296
				971

very good on 8/3/43

lighter green color than Bk on 8/3
very irregular lit on 8/20 + too tall

v. dark color on 6/18/43 and on 8/3/43
Lacks productivity very dark, clean
vegetation wholesome

similar to 342 on 8/2

The tallest and most vigorous
sel. in nursery on 6/17/43. v. dark color
Taller than Shoemed. rather light green color
on 8/3/43, wide leaves, v. good.

T. WT	Grain Yield / Acre Bu.	Lbs.	
1 fairly good small Bk type			341
	✓ 53.3	✓ 2400	
45.			
			342
	✓ 53.0	✓ 2384	
44.5			
is very good BK grain type, as large and as long as BK,			343
	✓ 40.0	✓ 1798	
42.5			
			344
	✓ 57.7	✓ 2598	
45.5.			
			345
	✓ 43.2	✓ 1942	
44			

1943 No.	Variety	No 1942	No Sdg. Order	Date Head 1st	Date Head Fall	Date Full Ripe	Plant Ht. (in.)	Date Hy.
	"Cy Morgan"		860	8/13	8/21	9/15	48	
346	(BR type)	Crawley La.	865				48	
			898					

Keep in 1947 as considerable may be grown in La.

347 See page 137 book-I

348 See page 49 book-II

Diseases				Gr
H.O.	C.O.	W.T.	Lf.Br	Gms. per plot
10	St	1		350
				392
				255
				997

Pt appearance on 8/3/43
Highly susc. to HO and C.O,

T. Wt

	ain Yield / Acre	
	Bu.	Lbs.
2 small seeded types, much smaller than B.R.	—	346
	✓ 44.3	✓ 1994
45.5		
		347

Field Plot Variety Test

Early Maturing Varieties:

1943 No.	Variety	No. 1942	No. Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (In.)
	✓ Lady Wright	4	1	7/16	7/26	8/16	37
	CI-5451		17	7/16	7/28	8/17	38
	TS-19803		21	7/16	7/28	8/16	37
	(Date Sdg Seed in 3rd repl)						
	✓ C283A9-6-1-2,		2	7/21	7/31	8/16	40
	F x F	12	13	7/23	8/1	8/17	40
	CI 8319		23	7/24	8/1	8/16	39
	✓ Prelude		3	7/26	8/3	8/27	42
	CI. 8311	9	11	7/26	8/4	8/27	41
			20	7/26	8/5	8/26	42
	✓ Caloro		4	8/4	8/13		40
	CI-1561-1	162	15	8/4	8/13		41
	TS-19799		26	8/4	8/13		40
	✓ Zenith		5	7/17	7/30	8/11	34
	CI-7787	3	10	7/16	7/29	8/11	34
			25	7/17	7/29	8/10	37
	(Date Sdg Seed in 3rd repl.)						

(Plots cut 8/24 and 25 tied and shocked on 8/26, were very dry.
L.W; C283A9-6; Zan; C2920A41-2; B2913A2-9; EF
~~WXF; and AL-S-1~~)

Diseases

H.O.	C.O.	W.T.	Lf.Br	Gr Lbs. per plot
tr	~~tr~~	tr	+	18.5
	S	tr	+	19.3
		1	0	17.0
				54.8
		1	+	
tr	~~tr~~	0	0	20.3
	R	0	0	21.5
		0	0	17.5
				59.3
		0	0	
tr	~~0~~	1	0	29.0
	tr+	1	0	29.3
		2	0	24.5
				82.8
		1	0	
tr	~~0~~	1	tr	24.5
	R	0	tr	27.8
		1	0	23.3
				75.6
		1	+	
tr	~~0~~	0	++	17.4
	tr+	0	++	19.3
		0	+	21.5
				58.3
		0	++	

all

light green color, fairly good on 6/30/43
5% bird damage

No appreciable bird damage

Medium to light green color, considerable number of dead or dying leaf tips (yellow
Rotten wide lands, not as uniform as some
on 6/30/43

Medium to light green color, vigorous
appearance. Hardly as tall as Ep (6/30/43

Dark green color, short but good appearance
on 6/30/43

Medium to light green leaf color.
good (6/30/43) more leaf yellowing than
other varietal.

plots 95 feet long x 5.33 ft wide, 8 rows
multiply total field pounds 3 times
x 28.67 for acre yield in pounds.
÷ 45 for bushel yield

	ain Yield / Acre	
	Bu.	Lbs.
7	34.9	1571
4	37.8	1700
1	52.8	2374
2	48.2	2167
5	37.1	1671

Field Plots (Early)

Variety	No 1942	No Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date N.
✓ C2920A41-2-2,		6	7/20	7/31	8/15	35	
IBRxF	10	16	7/20	7/30	8/16	36	
CI-8318		24	7/20	7/31	8/15	38	
✓ B2913A29-1-1,		7	6/30	7/20	8/12	33	
CoxBR	18	12	7/1	7/20	8/12	33	
(Date Sdg Seed in 3rd repl)		19	7/1	7/21	8/12	34	
TS-33105							
CI-8323							
✓ Early Prolific		8	7/18	7/29	8/17	40	
CI-5883	14	14	7/17	7/28	8/18	40	
TS-19801		28	7/18	7/29	8/17	40	
gle Plots (Early):							
B317A39-5,	7	9	7/22	7/31	8/23	40	8/2
WxF							
B2916A34-3-3-1,		18	7/25	8/4	8/27	39	9/
ExBR	16						
CI-8324							
B3722A1-93		22	7/26	8/14	8/28	45	9/
FxBR	38						
Ah-5-1-10,		27	7/24	7/31	8/23	37	8/2
IxBR	(15+Crowley)						

Diseases				Gr
H.O.	C.O.	W.T.	Lf.Br	Lbs. per plot
tr	~~0~~	0	0	17.5
	R	0	0	19.3
		0	0	20.5
				57.3
		0	0	
tr	~~0~~	tr	0	14.0
	S	0	0	19.0
		0	0	11.5
				44.5
		T	0	
tr	~~tr~~	tr	tr	22.0
	S	tr	tr	25.5
		tr	0	20.5
				68.0
		T	T	
tr	~~0~~ R	0	tr	24.3
tr	~~0~~ S	1	tr	22.0
5	~~0~~ tr	tr	0	25.0
tr	~~0~~ R	tr	0	22.3

almost as dark green as Calaro on 6/30
but rather short, good.

Dark green color like Calaro & acodia, starting
to head on 6/30/43, good. 25 % Bird dam
about 15 % bird damage
about 35 % damage by birds

Rather light green color, V. good on 6/30.
Next to A1-93 is tallest on 6/30.

light green color, rather tall, long leaves.
Hardly as tall as A1-93 V. good (6/30.)

Rather light green color, quite good (6/30/43)
no bird damage

Medium to light green color, much taller
than any other variety on 6/30/43 V. good
Very Uniform heading

Sh. shorter than calaro on 6/30. Rather
wide leaves, more w.T. than any other
sel., good color.

ain Yield
Acre
Bu. Lbs.

6

36.5 1643

8

28.4 1276

3

43.3 1950

46.4 2090

42.0 1892

47.8 2150

42.6 1918

Field Plot Variety Test

Midseason-Maturing Varieties:

Variety	No 1942	No Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Ht.
✓ Fortuna	(Date Sdg. Seed)	29	8/8	8/18	9/3	43	9/1
(Texas)		45	8/7	8/16	9/2	45	
CI-1344		70	8/7	8/16	9/2	44	
TS-9821							
B322A42-3-1,	(Date Sdg. Seed)	30	8/5	8/15	9/1	42	9/1
RxF -		52	8/4	8/13	9/1	42	
TS-33104		62	8/5	8/14	8/31	44	
CI-8322					9/1		
✓ Nira	(Date Sdg. Seed)	31	8/15	8/23	9/13	50	9/12
CI-2702		55	8/13	8/22	9/12	52	
TS-19936		69	8/13	8/22	9/11	51	
					9/1 ✓		
✓ Acadia		32	8/13	8/20	9/13	39	
CI-1988	168	48	8/12	8/20	9/14	41	
TS-19882		58	8/12	8/20	9/13	41	
✓ Arkrose		33	8/9	8/16	9/10	43	
CI-8310	177	56	8/9	8/15	9/9	45	
		59	8/9	8/15	9/9	45	

Diseases				Gt Lbs. per Plot
H.O.	C.O.	W.T.	Lf. Br.	
5	0	0	+	23.5
		0	+	30.5
		0	0	24.5
				78,5
		0	+	
th	0	0	+	24.0
		0	+	27.8
		0	0	27.0
				78.8
		0	+	
th	0	0	0	27.0
		0	0	32.0
		0	0	27.7
				86.7
		0	0	
th	0	1	0	26.3
		th	0	31.7
		1	0	29.8
				87.8
		1	0	
th	S	2	0	22.3
		2	0	30.0
		2	0	27.3
				79.6
		2	0	

6/30/43

Broken over worse and more dead leaves than RxF

Medium - green, rough mixture in all plots, should rogued carefully but may be some left

Shorter than Tarp or Rosa, all taller than Rosa-Wis. other respects good.

V. good but not protected at A-15, Taller than Fortuna.

Heavily rogued, many med-ge types present, Most removed but do not save for seed.

Dark green color, V. good

Leaning considerably when cut, many short, poorly filled heads.

good, very much like heads

ain Yield / Acre	
Bu.	Lbs.
50.0	2251
50.2	2259
55.2	2486
55.9	2517
50.7	2282

Mid.

Variety	No. 1942	No. Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)
✓ Kamrose-47		34	8/5	8/14	9/9	44
TS-33107		43	8/5	8/13	9/10	45
CI-8315	175	65	8/6	8/14	9/9	43
✓ Kamrose-34		35	8/5	8/14	9/11	44
CI-8314	171	44	8/5	8/13	9/12	45
		63	8/6	8/14	9/11	43
Blue Rose		38	8/20	8/27	9/23	43
CI-1962	160	50	8/22	8/28	9/24	45
TS-7183		67	8/21	8/27	9/24	44
						44
B3712A1-7,		39	8/17	8/24	9/19	42
(KxH)xBR	138 Incr. Black	49	8/18	8/25	9/19	43
CI 8326		60	8/17	8/24	9/19	44
						43
✓ B3710A1-15,	141 in bstrd 2254 2255 in 3rd.	40	8/18	8/25	9/20	44
(KxH)xBR		54	8/18	8/25	9/20	46
CI-8327		68	8/19	8/26	9/20	48

Diseases				Gr lbs. per plot
H.O.	C.O.	W.T.	Lf.Bro.	
5	0	tr	Mtch	25.0
		tr	tr	28.8
		1	0	30.8
				84.6
		1	T	
5	0	1	0	21.8
		tr	tr	27.5
		1	0	30.5
				79.8
		1	T	
tr	S	1	++	30.5
		1	++	34.3
		1	+	31.3
				96.1
		1	++	
tr	Seg. nbabcond S plant	1	tr	27.7
		tr	tr	29.0
		1	+	32.3
				89.0
		1	T	
tr	0	1	0	28.0
		1	0-tr	31.0
		1	tr	31.5
				90.5
		1	0-T	

6/30/13

Very good, pick next year, Tender in grant, dumbbell, Taller than BP, W. Bt by title (x 1) Bt ab. Not as bad as A17

Taller than BP on 8/2 stand, pl darker yellow, A1-7 is great about as tally as A1-15 on 8/3, darker color, ab uniform leaves, more upright

Ab. B. bed on 2nd on 1st. Have ab 1 at 2 and 3rd dender to BP. Pl. first hardly as much Ty Br.

V. good, slowly than A17 Ab. bed by photo

Tally than A17 due to longer leaves, ab. darker color, V. good

Considerable straight head in 1st area, 2a probably more susceptible to S. H. than A34

Ripens faster than A34 and is leaning worse when cut,

More dead leaves than 134

Very free from rogues, almost free

an area 2'x2' completely destroyed in 3rd,

Practically free from rogues

A small number of rogues found.

a thin stand on all plots

2a sl. irregular in ht.

Prob. segreg. for ht of plant judging from appearance & different strains in yield nurs.

ain Yield
Acre
Bu. Lbs.

✓
53.9 2425

✓
50.8 2288

✓
61.2 2755
17.0

✓
56.7 2552
15.8

✓
57.7 2595
16.0

Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht (in.)	Date x Ht
✓ Blue Rose-41		41	8/20	8/27	9/23	42	
(C2854-3)	166	51	8/21	8/27	9/24	45	
TS-33108		57	8/22	8/27	9/24	45	
CI-8317							
✓ B3710A1-9,		42	8/19	8/28	9/24	45	
(KxH)xBR		53	8/19	8/29	9/24	48	
		61	8/20	8/28	9/24	47	
Single Plots: (Midseason)							
B3710A1-3 (KxH)xBR		36	8/25	9/1	9/29	49	
Bruinmissie Sel.		37	8/23	9/1	9/24	45	
B344B39-8, CAxK	116	46	8/11	8/20	9/12	41	
C.I.-6796	129	47	8/10	8/19	9/13	41	
B3512A38-6 (SPxSJ)xSBR	165	64	8/13	8/19	9/15	46	
B3710A1-6, (KxH)xBR	136	66	8/16	8/25	9/18	42	

Bulk of the following 2216, 17, 18, 19, 21, 22 and 23, 24, 26, 27, 28, and 29

2196, 97, 98, 99, 2204, 155

Diseases				Gt Lbs. per plot
H.O.	C.O.	W.T.	Lf. Br.	
tr	0	tr	++	27.7
		0	++	32.8
		tr	+	35.3
				95.8
		T	++	
4	0	1	0	30.7
		1	tr	34.5
	12	1	0	35.3
				100.5
		1	0-T	
5	0	1	0-tr	28.5
tr	0	1	+	30.5
tr	0	tr	tr	26.0
tr	0	tr	0	36.0
tr	0	1	0	32.3
tr	0	1	0	27.0

6/30/43

good alignment as tall as A1-64 A1-15, of lighter color than A1-7

leaf forming high on and alive on 6/18. none in 1st or 3rd

Considerable leaf Br. possibly maybe fall not leaves than BK.

Very free from mixture in field

Has a lighter green color than BK
(more leafy than BK on 7/26, wider leaves, lighter green color, taller)

dark green color on 6/30, taller than acadia V. Good
Sl. darker color than Acad. on 8/3.

2d standing more erect than ACad. + 6746 when cut, V. Good.

similar to Ca x K cal. on 6/30.
Sl. lighter color than ACad. + 3448 on 8/3

Similar to A34 on 6/30 except at taller + lighter color. possibly a wider leaf 6/30/42
much taller + later than Kamrose! also quite irregular ht.

Similar to A1-15, but not as tall

a number of late regrowth, 2q only fair many short poorly filled heads, much earlier than BK or BK-41. Earlier

ain Yield

Acre	
Bu.	Lbs.
61.0	2747
	17.0
64.0	2881
54.5	2451
58.3	2623
49.7	2236
68.8	3096
61.7	2778
51.6	2322

Field Plot Variety Test

Late Maturing Varieties:

Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Fall Ripe	Plant Ht. (in.)
✓ Rexoro		71	9/4	9/14	10/9	48
CI-1779	188+211	80	9/3	9/15	10/9	48
TS-19941		84	9/2	9/13	10/9	49
14 bills.						
Texas Patna		72	8/25	9/4	9/25	45
✓ (B324A1-8-2-1C) RX5094	202	81	8/26	9/4	9/27	46
		86	8/24	9/4	9/26	47
13 bills. TS-33106						
CI-8321						
Texas Patna Sel.		73	8/22	9/1	9/20	44
✓ (B324A1-8-2-1A) RX5094	183	79	8/22	9/1	9/20	44
		85	8/21	8/31	9/20	44
14 bills.						
✓ Delrex	Crowleyha 3rd repl some of 189	74	8/30	9/10	10/3	48
		78	8/28	9/9	10/4	49
CI-8320		87	8/27	9/8	10/3	50
B321A2-5,		75	8/31	9/10	10/4	48
✓ RxD	207	77	8/29	9/9	10/4	49
		83	8/31	9/8	10/4	49

Diseases				Gr Lbs. per plot
H.O.	C.O.	W.T.	Lf.Br.	
tr	0	0	0	21.8
		0	0	24.0
		0	tr	28.0
				73.8
		0	T	
5	0	0	0	22.0
		0	0	24.0
		0	0	26.8
				72.8
		0	0	
5	0	0	0	22.5
		0	0	26.8
		0	0	28.8
				78.1
		0	0	
5	tr	0	tr	17.0
		0	tr	23.5
		0	tr	27.0
				67.5
		0	T	
tr	0	0	0	19.0
		0	0	23.5
		0	0	24.0
				66.5
		0	0	

6/30/43

Bitter color then T.P. Sal

Rivor was cut on 10/4, sl. green but probably not green enough to cause any great amount of damage to yield. Cut acc. to

Sl. dark color then bitter

ain Yield
Acre
Bu. Lbs

✓ 47.0 2116

✓ 46.4 2087

✓ 49.8 2239

Late

✓ 43.0 1935

✓ 42.4 1907

Field Plot Variety Test

Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Hv.
Single Plots: (Late)							
B321B40-4 RxD	76	204	8/21	9/1	9/20	43	
B3313A1-4, Rx7689	82	209	8/21	9/2	9/27	50	
B323B39-13, RxSBR	88	110	8/30	9/8	10/2	48	

Diseases				Gr lbs. per plot
H.O.	C.O.	W.T.	Lf.Br.	
5	0	0	0	28.5
5	0	0	0	27.5
4	0	1	+	28.8

Darker green color than other K x D selns + T Potosi

very good color on 6/18 + 6/30. Taller than other varieties on 6/30. Considerably taller than others on 7/22. Much darker green color. Leaves die back rapidly when grain ripens

Has a better color on 6/18 & 7/3 than any other late except 3313A. Also true on 6/30

a small amount of straight head at west end

ain Yield

Acre

Bu. lbs.

54.52451

52.62365

55.02477

Broussard Variety Test

Blue Rose CI-1962 TS-7183	Date Sdg.	1	46
		12	45
		15	47
			46
Blue Rose (Commercial Strain)	From Duplicaux	2	48
		8	48
		18	48
			48
Blue Rose 41 (C2854-3)	Date sdg.	3	46
		10	46
		17	47
			46
B3912A1-7, (KxH)xBR	164	4	45
		7	46
		13	44
			45
B3710A1-6, (KxH)xBR	136	5	43
		11	43
		16	43
			43

Plots are 80 ft long 102A
multiply 3 series total x 34.9
(1st rd. West of Pine Island Switch ^ North side R.R.)

Yield data not checked.

Y1 GMS. PER ROW
26.0
25.3
23.8
75.1
21.0
20.3
19.0
60.3
25.5
26.0
21.0
72.5
23.8
23.8
22.8
70.4
24.5
24.0
16.7
65.2

FIELD DATA ACRE YIELD BU.	LBS.	TEST PER BU. (LBS.)	M HE RI
56.7	2553.		
	15.8 lbl.		
45.6	2050		
	12.7 lbl.		
54.8	2465		
	15.2 lbl.		
53.2	2394		
	14.8 lbl.		
49.3	2217		
	13.7 lbl.		

Pine Island Test

Cotton-wood Test

349 Bulk Hybr

Jones Upland Var.

B3710A1-15, (KxH)xBR	6		47
	9		48
	14		49
			48

Bulk of: 2244, 45, 46, 47, 49, 2251, 53, 54 SP.

Sown May 3;
Fertilizer: 150# per Acre.
on 6/29/43: A1-15 is best and tallest sel in test. followed closely by A1-6. Both are taller and have better color than BK, BK-41 and comm. A1-7 has better color than BKs is about the same ht as BKs.

On 8/3/43 A1-15 is still taller than A1-7. Has longer sl. narrow leaves than A1-7. Both are more erect growing than BK. BK, Com, & BK-41 all show considerable drooping on lower leaves which is not evident on (KxH) ikt sels.

A1-6 is very much like A1-15 in all respects. May not be as tall as A1-15. This has been true from the start.

Comm BK shows the most lof Drooping. Practically no white tips present.

YIELD DATA				
GMS. PER ROW	ACRE YIELD BU.	ACRE YIELD LBS.	TEST WT. PER BU. (LBS.)	M D HEA RIC
28.0				
25.7				
21.8				
75.5	57.0	2567		
	15.8 bu.			

About A 10-10-0.

Cotto
-Wood
Tes

349
Bulk
Hybr

Jones
Upland
Ve

Cottonwood Variety Test

Blue Rose		1
CI-1962		12
TS-7183		23
		2
Prob. BR-41		16
		22
B3710A1-3		3
(KxH)xBR	155	11
		24
Series A mt = 22.5		
B3710A1-6		4
(KxH)xBR	142	18
		20
B3710A1-15		5
(KxH)xBR	150	13
		26

In BR-41 block of Rice Imp. Assn. Field.

YIELD DATA					
GMS. PER ROW	GMS. PER ROW	ACRE YIELD BU.	ACRE YIELD LBS.	BU. (LBS.)	
1561					
1487					
2435					
1231					
1378					

Cotton Wood Tes

349 Bulk Hybr

Jones Upland Ver

B3712A1-7, 7
(KxH)xBR 138 Incr. Block 17
19

B3712A1-7 8
(KxH)xBR 159 Incr. Block. 10
(labeled B1-7) 21

B3710A1-9 9
(KxH)xBR 14
25

Bulk of the following 2, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, + 29

Bk

Sown: April 30, 1943, Drill set on 34

Fertilizer: Set on (24 - Low Gear)

On June 29; A1-15 and A1-6 look very good than Bk or BR-41; are taller + have better color. A much like Bk + BR-41 except possibly a little the best looking sel. on test: A1-15, A1-6, and is not as tall as these sels. but ha

YIELD DATA				
GMS. PER ROW	ACRE YIELD BU.	ACRE YIELD LBS.	TEST WT. PER BU. (LBS.)	M HEA RIC
1177				
1000				
954				

or most varieties.

Used Approximately 200# per Acre - 4-10-7

A1-16 is sl. better than A1-15; Both look much better
is tallest & best looking sel. A1-7 looks very
better also. On August 3: A1-15 is probably
A1-3 all look very good & very much alike. A1-7
some better than BK and BK-41.

Bulked-Hybrid Populations:

349 F14 - Long-Grain x Short-Grain 718

350 F13 - Short-Grain x Medium-Grain 713

351 F13 - Long-Grain x Medium-Grain 714

352 F4 - Blue Rose, Colch. Roques (Natl. Cr. C.O.=R) 768
about 80 pan. bud.

353 F12 - 321A, Rexoro x Delitus 706
~~707~~

354 F12 - 322A, Rexoro x T. Fortuna 707

355 F12 - 323A, Rexoro x S. Blue Rose 708

356 F12 - 324A, Rexoro x CI-5094 703

357 F14 - 3313A, Rexoro x CI-7689 716
about 150 selx

358 F9 - 341A, Caloro x Fortuna 725
140 panicles

YIELD DATA			TEST WT. PER BU. (LBS.)	M D HEA RIC
GMS. PER ROW	ACRE YIELD BU.	ACRE YIELD LBS.		

Consists of mostly a small grain type, of no commercial value dressed

Mostly very good BR types, (growth) of med to short-grain types, many appear to be C.O. resistant seed planted thought to be R to C.O. no doubt many seed were S.

Very good late types of med. grain length present, Many C.O. susc. plants as well as short-headed types. Saved good Orientant & longer-headed types

A large number of very late types present. Saved many good BR types as well as smooth med-gr. types

Mostly late, many v. tall most have Del. drooping to panicles, tried to save those without, many very good plants.

Shorter than 10 x 10 plot, better plants mostly late, many very good vanishing sels. saved.

Many gold-hull rough med. gr. types which look very good some smooth-hulled should be saved for single rows next year good.

2 x a very good plot, mostly lates but look good.

only fair, tried to save just most upright ones.

Rather mediocre, poor panicles + poor grain types

340 Bulk Hybr

Jones Upland Vex

359 Fq - 343A1, Nira x Kameji 701
109 panicles saved

360 Fq - 344A1, Caloro x Kameji 724
about 250 panicles saved

361 Fq - 346A1, Shoemed x Nira 711

362 Fq - 347A1, Rexoro x Nira 715
123 panicles saved for seeding in 1944

363 Fq - 348A1, Caloro x Nira 728
52 panicles saved for seeding in 1944

364 Fq - 3411A2, Shoemed x Caloro 721
93 panicles saved for seeding in 1944

365 Fq - 3412A2, Caloro x Rexoro 710
66, panicles saved for seeding in 1944

366 F5 - 379A, (K x H) x (SP x SJ) 744
68 panicles saved for seeding in 1944

367 F5 - 3715A(BIK), F1(3512A) x SBR 745
93 panicles saved for seeding in 1944

368 F5 - 3715 A38, do 746
80 panicles saved for seeding in 1944

YIELD DATA				
GMS. PER ROW	ACRE YIELD BU.	ACRE YIELD LBS.	PER BU. (LBS.)	MILL DATA HEAD RICE

Tall, late plants, thin straw, willowy like Jap types, small-seeded for the most part
quite uniform Jap type growth on all plants.
Land a very large number.

quite productive plot, much variation as to lit. good
about like 3 & 6A but probably not as productive; Had a lot of Red rice present.

Very poor
very few grain types
Mostly 1 grain type (short-g) rough & smooth mostly
Late with an occasional early plant, Very good stiff straw
Short straw.

Only few.

Exceptionally clean straw No resistant - Looks productively
Some fairly good plants - Includes a few clean with Crown

Similar to 379A except more W.O. possibly a
little more vigor

Jones
Upland
Vex.

Probably hulkless

369 F6-3723B, F1(CoxCub) x BR 741
49 panicles saved for seeding in 1944

370 F6-3724B, F1(CoxCub) x A 742
40 panicles saved for seeding in 1944

371 F6-3726B, F1(CoxCub) x C 767
29 panicles saved for seeding in 1944

372 F6-3727B, F1(CoxCub) x Tx. 743
49 panicles saved for seeding in 1944

373 F5-3747A, CI-4700 x Rexoro 760
86 pan saved

374 F5-3781A, Rexoro x CI-81C 761
38 panicles saved for seeding in 1944

375 F5-381C, Blue Rose x Zenith 749
189 panicles saved.

376 F5-383A2, Blue Rose x CI-4440 751
70 panicles saved for seeding in 1944

377 F5-3810B, F1(SxEP) x F1(CAxCdy) 747
63 panicles saved for seeding in 1944

378 F5-3811B, (1645x5309) x [(SPxSJ)xSBR] 757
25 panicles saved for seeding in 1944

Saved just the better looking BK types.
considerable variation as to grain length, from very short, round seed to long slender, types good clear texture

a number with red seed coat saved.

"

"

a few med-long-gr. types of poor grain shape were discarded

Tall, undesirable looking plants, saved the better looking ones.
about like 3747A poor
and long slender grain types.

Early and late maturing types, very hay stuff straw, rather short. good Many sets made mostly late

rough, Possibly not BK x CI 4440

Saved mostly mid + late. Many very good plants

only few saved a number of H° resistant types

378 to 385 can possibly be bulked.

379 F5-3813B, [(SPxSJ)xSBR]xAL-11,SxF752
38 panicles saved for seeding in 1944,

380 F5-3814B, [(SPxSJ)xSBR]x[(ExF)x4700]756

381 F5-3817B, (La.x4700)x(1645x5309)753

382 F5-3820B, (La.x4700)x[(SPxSJ)xSBR]754
18 panicles saved for seeding in 1944 goes bulked with golds from 383

383 F5-3821B, (La.x4700)x[(ExF)x7143] 758
14 panicles saved for seeding in 1944

384 F5-3823B, [(ExF)x7143]x[(SPxSJ)xSBR]755
44 panicles saved for seeding in 1944

385 F5-3824B, [(ExF)x7143]x(1645x5309)759
59 panicles

386 F5-392A1, (SPxSJ)xD 729

387 F5-393A1, (SPxSJ)xS 730
54 panicles saved for seeding in 44 pop

388 F5-394A1, (SPxSJ)x(BRx5309) 731
49 panicles saved for seeding in 1944

Only fair saved a number of H.O. resistant types
Poor grain shapes were discarded
discard very poor.

Discard very poor

Mostly very poor, a few good plants. A number gold-hull long-grain types saved. grow these separately and determine true nature.

Poor. Bulk gold hull sels saved with gold hulls from 382 (gold hulls bulked, with gold-hulls from 382. are prob. Reversions T.P.)
Poor.

Very poor.

Very poor discard

Fairly good, Highly H.O. resistant
Poorer types discarded.

Practically
all have very poor grain shape, many discarded

Jones
Upland
Va.

Bulk SP+SJ x
cross into 2 di-gene
groups: Sweet di-gene
and BR gene

discarded 389 F5- 395A, (SPxSJ) x B 3715, Nira 732

390 F5- 396A, (SPxSJ) x (RxD) 733
(48 panicles bulked, discard per gram type)

391 F5 - 397A, (SPxSJ) x AL-11-1C, SxF 734
49 panicles saved for seeding in 1944.

392 F5- 398A, (SPxSJ) x (RxD) 735

393 F5- 399A4, (SPxSJ) x BR-41. 736

394 F4- 399A-Gr, (SPxSJ) x BR-41. Crowley
147 panicles saved for seeding in 1944

395 F5 - 3910A3, (SPxSJ) x (IBRxF) 737

396 F5- 3911A1, (SPxSJ) x (KxBR) 738
40 panicles saved for seeding in 1944

397 F5 - ♀ 3926A (SxEP) x (CAxCdy) 739
21 panicles saved for seeding in 1944

398 F5 - ♀ (3927A to 3933A) 740
54 panicles saved for seeding in 1944

32 Very poor

33 was quite good, a number of very good looking large slender grain types.

34

35 discard poor

36 discard not as good as 394

37 quite good
only better grain types saved

Discard

Either discard or duplicate with (SNEP) x (CA x Cl) pl 6 f

Jones
Upland
Vex

399 F_3 - 4014A, BR-41 x BR

400 F_3 - 4015A + 4016A, (B2912A13; +47 x BR-41)

401 F_3 - 4017A, Arkrose x BR-41

402 F_3 - 4019A, SP x B2912A13

403 F_3 - 4022A; 25A; and 30A,
(B3313A1-4 x T. Patna; 3313A1-16; and 321A2-8

404 F_3 - 4027A; 31A (B323A5 x T. Patna and Rexoro)
257 panicles saved for seeding in 1944.

405 F_3 - 4026A; 32A; 33A; and 42A
B321A2-8 x T. Patna and Rexoro and
B3318A1-16 x do

406 F_3 - 4035A, Texas Patna x Rexoro

407 F_3, 4034A; 36A; 41A; 43A (B321A2-5 x T. Patna + Rex)

408 F_3, 4045A (B323A2-8 x Blue Rose-41)

FIELD		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

Very good Blks, Panicle saved from practically every plant in population

do

do.

Tried to save mostly H.O. resistant types that looked have good grain shape.

Saved the shorter stiffer stemmed types approx 50 % plants saved. 119 panicles saved for seeding in 1944

Saved panicles from most plants

Very long panicles with v. good grain types vary from long to med, vary in thickness

Very very good plants of midseason maturity

Entire plot harvested Very good

Entire plot harvested, not as good as 4035A

Jones
Upland
Var.

409 F3 4046A (B2920A9 x Blue Rose-41)
IBRxF
about 200 panicles saved

410 F3 - 4047A (B2913A31, CoxBk) x Bl. Rose 41
about 500 panicles saved

411 S x K Smooth Sels.
(Bulked in spring 1943)

YIELD DATA			
GMS. PER ROW	GMS. PER ROW	ACRE YIELD BU.	LBS.

Jones
Upland
Va.

Upland Rice Samples For. J.W. Jones

		PLANT HT. (IN.)
412	Honduras	
413	Carolina Gold	
414	C-4	
415	H-32	
416	SD-144	
417	RD-218	
418	PR-147	
419	PR-304	
420	PR-325	
421	PR-358	

SHATTERING	YIELD DATA: GMS. PER ROW	ACRE YIELD: BU.	ACRE YIELD: LBS.	TEST PER BU. (LBS.)	M D HEA RIC
	313				
	327				
	302				
	305				
	279				
		1526			
	256				
	355				
	304				
	338				
	292				
		1545			

Jones
Upland
Va.

422 PR-388

423 PR-403

424 PR-416

425 CI-461

426 PR 482

427 Penn. Gopher (Bold)

428 Penn. Gopher (long-grain)

429 Robertsdale Gopher - (Bold)

430 Robertsdale Gopher - (long-grain)

431 Eleazer Gopher (long-grain)

YIELD DATA				
GMS. PER ROW	ACRE YIELD BU.	ACRE YIELD LBS.	TEST PER BU. (LBS.)	M D HEA RIC
334				
339				
330				
323				
348		1674		
315				
332				
274				
299				
275				
		1495		

432 Eleazer Gopher (Bold)

YIELD DATA				
GMS. PER ROW	ACRE YIELD		TEST PER BU. (LBS.)	MILLED HEAD RICE
	BU.	LBS.		
296				

Increase plots

SxN 71 (61#) rows 85 ft

RxN 84 (33#) rows 81 ft

SxN 76 (24#) rows 69 ft

2 rows 64 ft

2365 45# 23 rows 24 ft

45#

2693 (25#) 15 rows 24 ft

2365 12 rows 25 ft

YIELD DATA		
GMS. PER ~~ROW~~ PLOT	ACRE YIELD	
	BU.	LBS.

long spaced 1 ft apart

long spaced 1 ft apart.

long spaced 1 ft apart

long spaced 1 ft apart. → mixed north

south end corner space side by side

long " " "

long " " "

west end of acre side by side

long " " " " east end of acre

		No. Plants
#1	Texas Patna Trip	6
#5	Seeds from doubled K x N Haploid	5
#6	BR Trip	1
#7	T. Patna (Large seeded from Pinnell)	
#8	3715 A38 (Trip)?	1
#10	Stinle Honduras (Jones)	1

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

YIELD DATA

GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

YIELD DATA		
GMS. PER ROW	ACRE YIELD	
	BU.	LBS.

DATES	
HEADING	FULL
1ST FULL	RIPE

DISEASES			YIELD DATA		
H.O.	Cerco-spora	White Tip	GMS. PER ROW	ACRE YIELD BU.	LBS.

No.				1st Head	Ripe		
Nurs.	T. S.	C. L.	VARIETY				

DISEASES			YIELD		
H.O.	Cerco-spora	White Tip	GMS. PER ROW	ACRE YIELD BU.	LBS.

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Division of ~~Cotton and Other Fiber~~ Cereal Crops and Diseases

278
279
281
282
289
302
303
305
308
310

175 #

9124
8.76
10000

90.90
910

1943
RICE NURSERY YIELD PLOTS

UNITED STATES
DEPARTMENT OF AGRICULTURE

FIELD NOTES

BUREAU OF PLANT INDUSTRY
DIVISION OF COTTON AND OTHER FIBER CROPS
AND DISEASES

1-20	UNIFORM EARLY
21-32	Beaumont Early
33-44	Single Early
45-64	Uniform Long
65-73	Bmt. Long
74-100	Single Long
101-121	Uniform Short + Medium-Gr.
122-150	Bmt. Medium-Gr.
151-164	Duplicate Medium-Gr.
165-223	Single Medium-Gr.
224-251	Single Short + Medium-Gr.

187 is sig for nickel
191 "

3860
3960 BR
3900 BK 41

45
46
47

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

It is suggested that the following general information be recorded for each field experiment:

1. Name of experim
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pounds is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seedling vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seedling vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests:
   (*a*) General.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35–7 (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
   (*b*) Special.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly, at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

U. S. GOVERNMENT PRINTING OFFICE 462628

1
Uni
Early

21
Bmt
Early

33
Single
Early

45
Uni
Mid
Long

65
Bmt
Mid
Long

74
Single
Mid
Long

101
Uni
Short
Mid

122
Bmt
Med
Mid

151
Dipl
Med

165
Bmt
Mid

224
Sing
Med
+
Short

1
Uni
Early

21
Bmt
Early

33
Single
Early

45
Uni
Mid
Long

65
Bmt
Mid
Long

74
Single
Mid
Long

101
Uni
Short
Mid

122
Bmt
Med
Mid

151
Dipl
Med

165
Sin
M

224
Sing
Med
T
Short

Uniform Early Maturing Varieties:

1943 No.	Variety	1942 Nurs No. or Source	1943 Seedling No.	Date Head 1st	Date Head Full	Date Full Ripe	Plant ht. (in.)	Date Hv
1	Zenith	3	1	7/20	7/26	8/16	40	8/2
	CI-7787		48					
	cut guard		72				38	
			104					
2	C2920A41-2-2,	10	2	7/19	7/27	8/17	40	8/2
	IBR x F		43					
	cut guard		84				38	
	CI-8318		97					
3	Early Prolific	14	3	7/19	7/29	8/20	43	8/2
	CI-5883		40					
	cut guard		65				43	
			103					
4	B2913A294-1,	18	4	7/16	7/28	8/18	38	8/2
	CO x BR		52					
	cut guard		68				36	
	TS-33105		98					
	CI-8323							
5	Lady Wright	4	5	7/19	7/28	8/16	37	8/2
	CI-5451		45					
	TS-19803		73				37	
	cut guard		100					

1st R.O. notes 7/31/43

Total gram yield x 1.5 = acre yield

	Diseases				
	H.O.	C.O. on 8/26	White Tip	Leaf Browning	grams per plot
	tr	tr	0	tr	310
			tr	0	228
			0	+	238
			tr	0	267
			T	+	1043
	5	R	tr	0	285
			1	0	235
			tr	0	240
			tr	0	276
			T	0	1036
	tr	(b) S	0	0	314
			1	0	195
			tr	0	239
			1	0	256
			1	0	1004
	tr	Mod S	0	0	300
			tr	0	253
			1	0	320
			tr	0	294
			1	0	1167
	tr	S	1	0	227
			1	0	193
			2	0	239
			1	0	260
			1	0	919

Very dark green hey color.

d in lbs (÷ 45 = Bu. A)

T. WT				Grain yield Bu	Grain yield Lbs.	Bbl.	
							1
44	68.2	77.1	1.1	✓ 34.8	✓ 1564		2
42	68.5	76.4	1.0	✓ 34.5	✓ 1554		3
42	68.4	77.3	(2)	✓ 33.5	✓ 1506		4
43	73.5	77.5	0.4	✓ 38.9	✓ 1750		5
40	69.3	76.5	0.3	✓ 30.6	✓ 1378		

1 Uni Early

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1ST	Date Head Full	Date Full Ripe	Plant Ht (in.)	
6	S-40-25313,		6	7/22	7/30	8/23	40	8/2
	EP x BR (Stuttgart Ark)		47					
	cut guard		79				40	
			107					
	C283A9-6-1-2,	12	7	7/25	8/2	8/21	38	8/2
7	E x F		44					
	cut guard		78				38	
	CI-8319		116					
	S2920A17-4-4-5-3-1,		8	7/21	7/27	8/15	38	8/2
8	IBR x F	11	42					
R.			71				41	
			108					
	S2920A32-5-9-4-5-2-1,		9	7/23	7/30	8/16	38	8/2
9	IBR x F	6	38					
R.			82				38	
			113					
			10	7/26	8/3	8/28	41	9/2
10	Prelude	9	50					
	cut guard		77				41	
	CI-8311		99					

Diseases				
H.O.	C.O.	W.T.	Lf.Br.	Gms. per plot
10	S	0	0	238
		1	0	220
		1	0	253
		tr	0	254
		1	0	965
5	R	0	0	200
		0	0	226
		0	0	210
		0	0	170
		0	0	806
5	R	0	0	240
		2	0	252
		1	0	224
		tr	0	232
		1	0	948
5	R	tr	0	219
		1	0	244
		1	0	259
		1	0	272
		1	0	994
5	R	1	0	306
		2	0	264
		2	0	390
		1	0	343
		2	0	1303

Has a much darker leaf color than L. Wright & a darker than E.P.

T.Wt				Grain Yield Acre Bu	pounds	
						6
40	68.4	76.0	0.2	✓ 32.2	✓ 1448	
						7
42	63.0	75.4	0.9	✓ 26.9	✓ 1209	
						8
41	60.0	74.9	1.0	✓ 31.6	✓ 1422	
						9
42	67.7	75.9	0.4	✓ 33.1	✓ 1491	
						10
40	69.6	75.9	Th(2)	✓ 43.4	✓ 1954	

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in)	Date Nu.
11	B317A39-5,		11	7/26	8/3	8/27	40	9/2
	W x F (rogue)	7	36					
	cut guard		75				40	
			111					
12	Cajer (Early) 1-42-2		12	7/17	7/26	8/16	41	8/23
	[Stutt. Ark]		39					
	cut guard		67				42	
	CI-8313		114					
13	Colusa		13	7/12	7/22	8/13	36	8/17
	CI-1600	13	49				37	
	TS-19798		74					
	cut guard		105					
14	Shoemed		14	7/26	8/9	8/26	41	9/2
	CI-3625	17	35					
✓	TS-19889		66				42	
			102					
15	AL-5-1-2,	[Crowley, La.]	15	7/24	8/1	8/22	39	8/23
	IxBR		41					
	cut guard		70				39	
			101					

Diseases				
H.O.	C.O	W.T.	bf.Br	Gms. per Plot
seg	Some S seg	tr	0	308
		1	0	226
		1	0	340
		tr	0	212
		1	0	1086
5	R	1	0	242
		1	0	201
		2	0	256
		2	0	182
		2	0	881
tr	tr	1	0	234
		0	0	220
		1	0	230
		tr	0	216
		T	0	900
tr	R	0	0	239
		0	0	252
		0	0	291
		0	0	219
		0	0	1001
tr	R	1.	0	262
		2	0	241
		1	0	216
		1	0	320
		1	0	1039

very good for Coluea, probably the best Coluea plots grown in a number of years.

add 10% on to yield of 14C

T. WT.				Grain Yield / Acre Bu	Pounds	
						11
43	73.9	76.3	0.3	✓ 36.2	✓ 1629	
						12
42	69.1	77.3	0.3	✓ 29.4	✓ 1322	
						13
44	69.0	78.0	tr(2)	✓ 30.0	✓ 1350	
						14
47	65.4	76.6	1.1	✓ 33.4	✓ 1502	
						15
41	70.1	76.5	0.9	✓ 34.6	✓ 1558	

1943 No.	Variety	No. 1942	No. Sdg. Order	DATE Head 1st	DATE Head Full	DATE Full Ripe	Plant Ht (in.)
16	C283A3-6-2 (rogue)		16	7/24	7/31	8/16	38
	E x F	20	37				
R.			81				38
			106				
17	B2916A34-3-3-1,		17	7/27	8/4	8/28	37
	E x BR	16	33				
	cut ground		80				39
	CI-8324		112				
18	B41-2462, EP		18	7/25	8/2	8/23	37
		32	51				
✓			76				41
			115				
19	B41-3299, BR		19	7/23	8/9	8/23 some ripe 8/16	38
		30	34	Segregating			
			83				40
			109				
20	AL-5-1-10,		20	7/23	8/2	8/22	36
	I x BR	15	46				
✓			69				37
	cut ground		110				

Treatment	Diseases				Gr
	N.O.	C.O.	W.T.	Lf. Br	Gms. per Plot
5		R	0	0	242
			0	0	227
			0	0	302
			0	0	233
			0	0	1004
10		S	2	0	290
			2	0	311
			1	0	309
			2	0	243
			2	0	1153
15		R	2	0	284
			1	0	242
			1	0	274
			2	0	230
			1	0	1030
5		R	2	0	227
			2	0	241
			1	0	286
			1	0	242
			2	0	996
4		R	2	0	273
			2	0	263
			2	0	252
			2	0	296
			2	0	1084

T. WT.				ain Yield / Acre Bu.	Pounds	
						16
42	69.2	77.2	(3)	✓ 33.5	✓ 1506	
						17
43	73.7	76.8	0.2	✓ 38.4	✓ 1730	
						18
42	69.8	75.1	0.7	✓ 34.3	✓ 1545	
						19
42	66.1	73.6	0.8	✓ 33.2	✓ 1494	
						20
42	68.5	75.4	0.3	✓ 36.1	✓ 1626	

17 ✓ = shelling determination made.

Beaumont Early Maturing Varieties:

1943 No.	Variety	No. 1942	No. Sdq. order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date N
	C42-13,	[Crowley ha.]	21	7/26	8/5	8/29	39	9/2
21	461x(461xEP)		63					
			85				40	
	B39-4212,		22	7/27	8/7	8/30	42	9/2
22	4011xBR	2641	64					
Disc			90				46	
	B4-S-72, EP		23	7/22	7/29	8/20	41	8/28
23 ✓		2505	56					
cut guard			86				41	
	B401A14,		24	7/18 S		9/20	44	
24	BR-41xB2913A2 4219		58	8/16	- 8/22			
was late in 1942	Disc		89				44	
	B401A19,		25	7/18	7/25	8/22	34	8/2
25 ✓	BR-41xB2913A29	4225	55					
Dead wooly pod gen only in 1942 contributed in centers			93				36	
	Disc cut guard							

Total gram yield (3 series) x 2.0 =

	Diseases			G
	H.O.	C.O.	W.T.	Lf. Br.	Gms. per Plot
15	R	0	0	272
		0	0	274
		0	0	208
				754
		0	0	
10	R	2	0	205
		2	0	240
		2	0	215
				660
		2	0	
10	R	1	0	272
		tr	0	246
		1	0	227
				745
		1	0	
10		1	0	421
		tr	tr	407
		tr	0	336
				1164
		T	T	
10	Prob R	1	0	226
		1	0	242
		1	0	243
				711
		1	0	

Too much stinkity

much stinkity

=lbs. per A.

T. WT.					rain Yield Acre Bu.	lbs.	
							21
					33.5	1508	
43							
							22
					29.3	1320	
36							
							23
					33.1	1490	
42		72.0	76.0	0.6			
							24
					51.7	2328	
42							
							25
					31.6	1422	
43		71.1	76.7	0.6			

21 Bmt Early

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date No
26	B401A30,		26	7/17	7/28	8/22	34	8/2
	BR-41xB2913A29	4236	53					
			95				36	
	✓ cut grain							
27	B401A34,		27	7/17	7/27	8/22	34	8/2
	BR-41xB2913A29	4241	60					
	Best grain type in 1942		96				36	
	✓ cut grain							
28	B401A46		28	8/16	8/23	9/20	44	
	BR-41xB2913A29	4253	59					
	BR most in 1942		91				46	
	Disc							
29	B352A2-14-1-1,		29	7/22	7/29	8/20	35	8/2
	Kx7143	3084	54					
			87				35	
	✓ cut grain							
30	B3911, EP		30	7/25	8/2	8/23	36	8/2
		29	61					
			88				34	
	Disc							

G

Diseases				Gms.
H.O.	C.O.	W.T.	Lf. Br	per Plot
10	Prob R	tr	0	280
		1	0	291
		1	0	267
				838
		1	0	
15	R	1	0	300
		1	tr	284
		1	0	252
				836
		1	T	
10		tr	0	382
		tr	0	449
		1	0	333
		T	0	1164
tr	~~R~~ S	2	0	206
		1	0	197
		1	0	258
		1	0	661
10	R	0	0	246
		0	0	254
		0	0	220
				720
		0	0	

R to CO in 1942 + on Lf Br no W.T.
Early in 1942
Considerable sterility, letter then #27

Early in 1942, R to C.O. in 1942 and + on Lf Br. no W.T.
Much sterility

T. WT.				rain Yield / Acre Bu.	lbs.	
						26
				37.2	1676	
42	68.6	76.4	0.8			
						27
				37.2	1672	
42	68.0	75.8	0.8			
						28
				51.7	2328	
42						
						29
				29.4	1322	
42						
						30
				32.0	1440	
43						

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Rip	Plant Ht. (in.)	Da Hi
	B3313 B40-4,		31	7/22	7/30	8/20	38	8/2
31	R x 7689	33	62					
	✓ cut quard		94				38	
	B3722A1-93,		32	7/28	8/7	8/30	42	9/
32	F x BR	38	57					
	✓ cut quard		92				43	

Lodging	Diseases				Gr
	H.O.	C.O.	W.T.	Lf. Br	Gms. per Plot
	5	5 S	1	0	280
			tr	tr	276
			1	0	249
					805
			1	0	
	20	R	1	0	275
			tr	0	306
			1	0	288
					869
			1	0	

add 7% outp 31 B
Rather longheads, straw not as hay
as E.P.

T.WT.				ain Yield / Acre Bu.	lbs.	
						31
40	66.9	74.8	0.2	35.8	1610	
						32
42	72.8	76.1	0.3	38.6	1738	

Single Early Maturing Varieties:

1943 No.	Variety	No 1942	No Sdg. order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Dat. H.
disc 33	B283A6-7, (glut), EXF	212	117	8/16	9/18	9/15	46	
disc 34	B283A2-2-3, ExF	213	118	8/15	8/21	9/16	48	
disc 35	B3321B38-7 ~~E~~5403-2 x E	214	119	7/19	7/30	8/13	37	8/1
36	B2913A29(sel), COXBR	2492	120	7/21	7/31	8/22	35	8/2
37	B2913A29(sel) COXBR	2495	121	7/22	7/31	8/22	36	8/2
38	B2916A34(sel). EXBR CI 8324-1	2519	122	7/31	8/8	8/29	38	9/2
39	B2916A34(sel) EXBR CI8324-2	2521	123	7/29	8/5	8/26	38	9/
disc 40	B41-2462, EP	(2534r) 2535	124	7/25	8/4	8/26	39	9/2
disc 41	B283A3-4-5, EXF	22	125	7/31	8/9	8/23	39	9/2
42	Edith	35	126	7/24	7/31	8/20	38	8/2
43	Honduras	31	127	7/25	7/31	8/18	39	8/2
disc 44	C2-21-20, SXBR	Crowley, La.	128	7/24	7/30	8/21	42	8/2

Diseases				Gr
H.O.	C.O	W.T.	Lf. Br.	Gms. per Plot
5	R	1	0	241
tr	R	tr	0	391
tr	S	0	0	168
tr	M	tr	0	305
tr	M	tr	0	226
10	S	tr	0	281
5	S	1	0	279
tr	R	tr	0	244
tr	R	0	0	258
tr	S	0	0	197
5	—	0	0	219
5	—	0	0	286

very early, rich dicard, heads too
short, also sterility +

more uniform than #37

considerably earlier than 38

Very tall on 7/5

T. WT.		ain Yield / Acre Bu	lbs	
		32.1	1446	33
		52.1	2346	34
		22.4	1008	35 33 Single early
45.5		40.7	1830	36
45		30.1	1356	37
45	short med-grain type, excel, texture	37.5	1686	38
45	consid longer than 38 excellent texture	37.2	1674	39
	opaque, thick tough bran	32.5	1464	40
		34.4	1548	41
		26.2	1182	42
45.5		29.2	1314	43
45.5		38.1	1716	44

Uniform Midseason Maturing Long-grain Varieties

1943 No	Variety	No 1942	No Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Nv
	Shoemed		129	7/28	8/9	8/28	41	
45	CI-3625	44	169					
	TS-19889		197				42	
			223					
Q 46	Delitus		130	7/27	8/7	8/29	40	
	CI-1206	47	158					
	TS-8076		187				42	9/9
			217					
Cut grand								
47	Arkansas Fortuna CI-8309		131	8/2	8/11	8/30	46	
		51	172					9/9
			198				47	
			222					
Cut grand								
48	Early Nira		132	8/12	8/22	9/11	51	9/14
		46	160					
			196				53	9/20
			232					
49	Nira		133	8/13	8/23	9/12	51	9/14
	CI-2702	52	163					
	TS-19936		202				51	9/22
			219					
Cut grand								

ere yield in lbs = Total gram yield
" " " Bu = lbs yield ÷ 4

	Diseases				Gr Gms. Per Plot
	H.O.	C.O.	W.T.	Lf.Br	
tr		R	0	0	253
			0	0	213
			0	0	287
			0	0	192
					945
5		M	0	+	216
			0	+	182
			0	+	196
			0	+	189
					783
10		R	0	0	285
			0	0	218
			0	0	329
			0	0	246
					1078
tr		R	0	0	404
			0	0	362
			0	0	382
			0	0	249
					1397
tr		R	0	0	337
			0	0	339
			0	0	283
			0	0	258
					1217

yellowing

Poor panicles too short, drooping straw

Similar to Fort, except earlier

V. very good, but not much differ. from regular Nin.

Tall, looks hay.

(4 acres) x 1.5
5

T. WT.				ain Yield / Acre Bu.	lbs.	
						45
47	67.7	77.3	1.3	31.5 ✓	1418 ✓	
						46 45 Uni Mid Long
42	66.7	74.6	1.6	26.1 ✓	1174 ✓	
						47
44	58.8	77.3	0.3	35.9 ✓	1617 ✓	
						48 2
44	46.5	74.9	0.1	46.6 ✓	2096 ✓	
						49
44	54.5	75.3	(3)	40.6 ✓	1826 ✓	

1943 No	Variety	No. 1942	Sdg. order	Date Head 1st	Date Head Full	Date Full ripe	Plant Ht. (in.)	Path. Hv.
	Fortuna (Texas)		134	8/8	8/17	9/6	43	
50	CI-1344	45	159					9/10
	TS-9821		203				47	
			221					
	cut guard							
?	S2920A42-6-1,		135	7/27	8/9	8/29	40	
51	IBRxF	53	177					
			189				41	9/10
			230					
?	S-38-17345,		136	7/29	8/10	8/30	41	
52	IBRxF	54	165					9/10
			191				42	
			218					
	AH-32-23,		137	8/5	8/14	9/2	43	
53	RxF	60	174					
			194					9/10
	cut guard		233					
?	AL-11-10-15-1, SxF		138	7/29	8/9	8/31	39	
54		43	173					9/10
			205				39	
			235					

	Diseases				Gr Gms. per Plot
	H.O.	C.O.	W.T.	Lf. Br.	
5		R	0	0	319
			0	0	331
			0	0	303
			0	0	261
					1214
5		S.	tr	0	233
			0	0	281
			1	0	300
			tr	0	253
					1067
5		R	0	0	263
			tr	0	234
			tr	0	248
			tr	0	161
					906
tr		R	0	0	341
			0	0	283
			0	0	385
			0	0	225
					1234
tr		R	0	0	262
			0	0	226
			0	0	226
			0	0	183
					897

good, uniform

Only fair, disc

Possible triploid at north end
center row 1st series

very poor, short sterile heads disc.
for sure

very good growth habit, compare
quite favorable with best of R x F's
grain not too desirable

Many dead leaves at base on
7/26, spreading

Not as good as 55

T. WT.				ain Yield / Acre Bu.	Lbs.	
						50
44	68.3	77.0	0.4	40.5	1821	
						51
43.5	69.3	76.7	0.5	35.6	1600	
						52
42	65.5	75.6	(1)	30.2	1359	
						53
45	58.9	75.3	0.4	41.1	1851	
						54
47	70.3	77.0	1.0	29.9	1346	

1943 No.	Variety	No. 1942	No. Sdg. Order.	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date
R 55	AL-11-12-2-2, SxF		139	8/6	8/16	9/6	44	
		56	176					
			188				45	9/9
			228					
56	Bluebonnet B322A4-2-3-1, RxF TS-33104 CP8322		140	8/5	8/16	9/2	44	
		50	166					
			199				44	9/6
	cut guard		227					
57	C-2-20-26, N x BR (Crowley Lo.)		141	7/27	8/9	9/5	43	
			161					
			190				47	9/9
			231					
58	C322A6-23, RxF		142	8/13	8/22	9/9	42	9/20
		57	175					
			200				44	9/20
			225					
R 159	B322A4-6-3, RXF		143	8/13	8/20	9/9	42	
		58	168					
	cut guard		192				43	9/9
			216					

	Diseases				Gr
	H.O.	C.O.	W.T.	Lf. Br.	Gms. per Plot
5		R	0	0	348
			0	0	279
			0	0	303
			0	0	266
					1196
5		R	0	0	342
			0	0	274
			0	0	302
			0	0	292
					1210
10		R	tr	0	301
			tr	0	249
			tr	0	317
			tr	0	240
					1107
10		R	0	0	356
			0	0	297
			0	0	402
			0	0	227
					1282
10		R	0	0	335
			0	0	296
			0	0	376
			0	0	335
					1342

considerable number of dead leaves at base on 7/26, spreading quite hay appearing, poor no comm. value.

good,

Fair, did not stool out enough,

Good, stiffer straw than 56 more upright flag.

V. good, hay stiff straw

T. WT.				ain Yield / Acre Bu.	lbs.	
						55
47.5	63.6	78.6	0.6	39.9	1794	
						56
44	63.4	76.8	0.3	40.3	1815	
						57
44	63.3	78.3	(1)	36.9	1660	
						58
45	74.0	77.0	0.7	42.7	1923	
					2	59
47	72.0	77.5	0.9	44.7	2013	

1943 No	Variety	No. 1942	No. Sdg order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Days Hv
60	C-2-26-1, NxF	Crowley La.	144	8/14	8/25	9/10	43	9/4
			162					
			204					9/20
			220					
? 61	C4-II-1-8-1, Rx(BRxR)	Crowley La.	145	8/8	8/17	9/8	42	
			164					
			206				44	9/a
			229					
62	S41-10609, RxSBR	Stutt., Ark.	146	8/2	8/13	9/3	34	
			170					
?			201				38	9/9
			226					
63	B347B40-9, RxN.		147	8/13	8/22	9/8	41	9/14
cut grass.		73	167					
			193				43	9/1
			224					
64	C322A6-18, RxF		148	8/6	8/17	9/4	39	
		55	171					
			195				41	9/a
			234					

Diseases				Gr Gms. per Plot
H.O.	C.O.	W.T.	Lf. Br.	
tr	R	0	0	382
		0	0	355
		0	0	368.
		0	0	304
				1409
tr	R	0	0	225
		1	0	217
		tr	0	224
		tr	0	171
				837
5	R	0	0	229
		tr	0	201
		tr	0	207
		0	0	203
				840
5	R	0	0	280
		0	0	312
		0	0	362
		0	0	222
				1176
5	R	0	0	311
		0	0	274
		0	0	338
		0	0	282
				1205

Not as tall as 84, more irregular

Narrow leaves, very uniform looks fairly good, Rather narrow leaves, upright growth, prob not hvy enough.

Very poor, discard short stat, short poorly filled heads.

looks good, as productive as 56 but later, gold bulls,

Short straw, not as good as 56

T. WT.				ain Yield / Acre Bu.	Lbs.	
						60
45.5	69.6	75.6	0.9	47.0	2114	
						61
41.5	48.4	74.5	(2)	27.9	1256	
						62
43	66.8	78.3	(2)	28.0	1260	
						63
45	61.4	76.4	0.4	39.2	1764	
						64
46	68.7	77.5	0.3	40.2	1808	

Beaumont Mid-season Maturing Long-grain Varieties:

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe (in.)	Plant Ht. (in.)	Date Ht.
65	B352A11-2-3-2-2 K×R	3048	149	8/17	8/27	9/13	44	
			184				43	9/20
			213					
			242					
66	B352A11-2-3-2-1 K×R	2086	150	8/10	8/22	9/10	41	9/14
			186				43	9/20
			212					
			236					
67	B376A2-66-1 (IBR×F)×S	3648	151	8/2	S 8/23	9/9	35	9/14
			180				37	9/20
			209					
			238					
68	B376A2-70-4 (IBR×F)×S	3652	152	8/17	8/28	9/20	45	
			178				44	9/20
			207					
			243					
69	B376A2-72-4 (IBR×F)×S	3662	153	8/14	8/23	9/14	42	
			182				40	9/20
			211					
			240					

65 cut guard

66 cut guard

67 Dec

68 Dec

69 Cut guard

acre yield in lbs = Total grams ×
" " " Bu = lb yield ÷

Diseases				Gr Gms. per Plot
H.O.	C.O.	W.T.	Lf. Br.	
tr	R	0	0	275
		0	0	274
		0	0	276
		0	0	220
				1045
tr		0	0	287
		0	0	329
		0	0	295
		0	0	224
				1135
5	R	0	0	210
		tr	0	195
		1	0	211
		tr	0	193
				809
tr	R	1	0	374
		tr	0	267
		1	0	285
		tr	0	287
				1213
tr	R	0	0	394
		tr	0	324
		1	0	369
		tr	0	264
				1351

65 and 66 are very much alike except 65 earlier. Clean straw gold heads very little shatt, prob. not as prod. as RxF6

2d not as good looking as 65 on 9/20 in 3rd; no diff in 2nd or 1st.

Short very stiff straw in 1942, smooth excellent grain texture.
Short stature, rather leafy short heads looks somewhat like 64, as to ht, length of head. Now leans slender straw

Similar gain to Nina in 1942

Very looking, uniform, very clean straw.

Short stiff straw in 1942
2d very uniform, looks to be very heavy, clean sturdy straw

yield (4 acres) x 1.5
45

T. Wt.				Grain Yield / Acre Bu.	Lbs.	
						65
45	59.1	74.2	0.3	34.8	1568	
						66
44	53.0	75.6	(2)	37.8	1702	65 Brit Mid Lom
						67
45				27.0	1214	
						68
43	62.7	75.2	0.5	40.4	1820	
					4	69
42.5	67.5	73.6	1.3	45.0	2026	

1943 No.	Variety	No. 1942	No. Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Ht.
70	Nira TS 19936 CI 2702	74	154	8/15	8/24	9/13	50	
			185				48	9/20
	cut guard		210					
			244					
✓ 71	B346B39-4, SxN	76	155	8/18	8/28	9/20	44	
	cut guard		179				44	9/20
			214					
			239					
✓ 72	B347B39-7, RxN	66	156	8/15	8/25	9/14	46	
	cut guard		181				46	9/20
			208					
			241					
✓ 73	B347B39-18, RxN	84	157	8/16	8/26	9/12	44	
	cut guard		183				44	9/20
			215					
			237					

70 extreme lt 64 76 = 62
71 58 77 = 56
72 60 78 = 55
73 55
74 56
75 57

	Diseases				Gr
1/9/99	H.O.	C.O.	W.T.	Lf. Br.	Gms. per Plot
	5	R	0	0	340
			0	0	337
			0	0	336
			0	0	284
					1297
	th	R	0	0	418
			0	0	321
			0	0	331
			0	0	250
					1320
	th	R	0	0	422
			0	0	333
			0	0	283
			0	0	334
					1372
	10	R	0	0	300
			0	0	278
			0	0	326
			0	0	247
					1151

Good.

considerably shorter straw than Nina later maturing, V. uniform
Is taller than Nina on 7/22/13
Is very uniform lot, looks more prodeliferous than 73

Has more of the Nina Panicle appearance
Very uniform, but not irregular lot
lot as 73. Is taller and looks
more like Nina than 73, also looks
to be heavier.

A good R x N line, straw bulky,
shorter than Nina. Irregular lot
like Nina

T. WT.				ain Yield / Acre Bu.	lbs.	
						70
44.5				42.2	1946	
						71
48	69.7	74.0	2.1	44.0	1980	
						3 72
46	62.2	77.8	(2)	45.7	2058	
						73
47	65.1	76.6	0.5	38.4	1726	

Single Midseason-Maturing Long-grain Varieties:

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Days to Hv.
				1 early plant pot head 7/24				
74	Nira, Sel, (Nome)	236	245	8/15	8/27	9/10	47	
75	Taman Nira (Purple)	234	246	8/12	8/24	9/10	48	
76	Nira	235	247	8/14	8/24	9/12	49	
77	Taman Nira cut grass	233	248	8/7	8/17	9/8	45	
78	Taman Fortuna cut grass	232	249	8/6	8/16	9/4	44	
79	B3414B40-2, Dx 7190 cut grass	231	250	8/5	8/13	9/2	37	
80	B321B39-13 RxD cut grass	226	251	8/1	8/11	8/29	46	
81	B3318B40-2, 7689xF	227	252	8/2	8/11	8/31	45	
82	B3318A2-5, 7689xF	228	253	8/31	9/9		50.	
83	B354A1-29, (SBRx7143)	229	254	8/19	8/29	9/18	42	
84	B352A1-57, KxR	224	255	7/29 S	8/31		48	
85	B3213A3, SxR cut grass	3228	256	8/9	8/17	9/8	40	
86	B3713A23, SxR	3250	257	7/29 S	8/31		42	

Diseases				Gr Gms. per Plot
H.O.	C.O.	W.T.	Lf.Br.	
5	R	0	0	318
5	R	0	0	330
5	R	0	0	366
tr	R	0	0	286
tr	R	0	0	451
5	R	0	0	353
tr very R.	R	0	yellowing ++	305
10	R	0	0	261
5	R	1	0	409
10	R	tr	0	293
5	R	2	0	315
tr	R	0	0	254
tr		0	0	217

	T.W.T.
	46
	45
	45
V. good med. grain type	49
Good, uniform.	45
Very short, stiff straw, uniform If good grain would be a good high land rice.	41
very bad for leaf yellow on 6/15/43, Dalitus type, bad flavor, more productive than Del.	45
Tall on 7/30, bad flavor.	43
	42
No doubt a SxN cross	50
	46
quite similar to Shawmed vegetatively. Very uniform bt + mat.	

	Grain Yield per Acre Bu.	Lbs.	
Excel. texture, pract. no breakage. V. good	42.4	1908	74
...ular to 74, except, more breakage	44.0	1980	75
	48.8	2196	76
...y good, small med-gram type ...am most too small	38.1	1716	77
...ellent long-slender-gr. type, tr. w.c. ...ry little breakage adv.	60.1	2706	78
...g sl. gr. type, + on W.C. but v. clear texture ...ood	47.1	2118	79
...xcellent long sl. gr. type, flavor, ...ry good qual., no W.C.	40.7	1830	80
...ir qual, thick bran, consid breakage Disc.	34.8	1566	81
...hort med-gr. + on shod, discard	54.5	2454	82
...ellent qual. long med-gr. type, very little ...reakage	39.1	1758	83
...ng med-gr., poor shape, consid W.C. Disc	42.0	1890	84
...od milling (no little breakage) but some W.C. ...d segreg length, prob Disc	33.9	1524	85
...g quality, some very clear, others poor	28.9	1302	86

74
Single Mia Long

1943 No	Variety	No. ~~Sorter~~ 1942 No	No. Sdg order	Date Head 1st	Date Head Full	Date Full Ripe	Plant. Ht. (in.)	Date Ht.
87	B348B39-6, CAxN	2943	258	8/24	9/2		41	
88	B348B39-6, CAxN	2944	259	8/30	9/5		44	
89	B346B39-16, SxN	83	260	8/20	8/30	9/17	42	
90	B347B39-4, RxN cut guard	237	261	8/14	8/24	9/12	42	
91	B347B39-10, RxN	61	262	8/15	8/25	9/12	46	
92	cut guard. B347B39-18, RxN	2910	263	8/16	8/25	9/13	44	
93	B347B40-2, RxN	79	264	8/16	8/26	9/12	45	
94	B347B41-5, RxN cut guard	2919	265	8/4	8/12	8/30	43	
95	B347B41-7, cut guard RxN	2922	266	8/14	8/21	9/12	47	
96	C42-283, Rx(3RxR) 7/8 Roxoro	Crowley ka	267	8/8	8/28	9/20	43	
97	cut guard B346B39-9, SxN	72	268	8/16	8/28	9/15	46	
98	B346B39-18, SxN	238	269	8/17	8/24	9/17	48	
99	cut guard B322A4-1, RxF	65	270	8/5	8/15	9/2	45	
100	cut guard B322A3-6, RxF	77	271	8/6	8/15	9/4	45	

Diseases				Gr
H.O.	C.O.	W.T.	Lf.Br.	Gms. per plot
5	R	3	0	no
5	R	2	0	no
tr	R	0	0	327
5	R	0	0	227
tr	R	0	0	300
5	R	0	0	330
10	R	0	0	331
tr	R	0	0	278
5	R	0	0	375
10	R	0	0	368
10	R	0	0	380
5R	R	0	0	399
10	R	0	0	329
10	R	0	0	336

disc

disc

poor,

gold hulls

Taller than 90 on 8/2/43, straw hulls

Darker leaf color, at shorter straw and more uniform lit than 91 on 8/9/43
straw hulls

straw hulls

almost as tall as Nia on 8/2/43
lint at. earlier. Seg. pubescens
earliest plants are rough. Dolichos murlin
gold hulls

gold hulls, looks very hvy
a very good RxN
2a prob. as tall as Nia on 8/2/43 V. good

Heat more Nia appearance than 97
2a) as tall as Nia on 8/2/43
very good.

do V. good.

	ain Yield / Acre Bu.	Lbs.	
	t lw		87
	t lw.		88
xcel. med-gr. similar to 83 except orter	43.6	1962	89
or shape and texture, much breakage	30.3	1362	90
ry little breakage, prob. seg shape, poor shape ood texture	40.0	1800	91
ery good quality & shape, some W.C. ut like 78 and 99.	44.0	1980	92
ut like 92 except seg. length	44.1	1986	93
xcellent qual. long sl. gr type,	37.1	1668	94
ect qual RXN sl. typical long sl. gr type W.C. sl. dull like Turin as good as Bluebonnet.	50.0	2250	95
ck hair, much breakage, poor shape	49.1	2208	96
nferior to 83, similar length, as more chalk.	50.7	2280	97
ry good milling, has more mud appearance than any other sel. (length & thickness) s as thick as 99 but hardly as long	53.2	2394	98
very good but some W.C..	43.9	1974	99
xcl. qual. sl. shorter than 99, sl dull ut no chalk.	44.8	2016	100

Uniform Midseason-Maturing Short- and Medium-Grain Varieties:

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Ht.
101	Caloro		272	8/2	8/12	9/6	41	
	CI-1561-1	162	354				41	9/2
	TS-19799		402					
	cut ground		467					
102	Acadia		273	8/13	8/20	9/17	43	
	CI-1988	168	353				43	
	TS-19882		392					9/2
	cut ground		452					
103	Asahi		274	8/15	8/21	9/20	38	
	CI-8312	172	347				36	
			387					9/21
			456					
104	C.I. 6796		275	8/12	8/19	9/15	42	
		129	345				39	
	cut ground		386					9/2
			466					
105	Guneki		276	8/9	8/18	9/14	37	
	CI-~~6606~~ 6899	170	355				35	
			399					9/2
			459					

ecu yield in lbs = Total gram yield
" " " Bu = lb yield ÷

Diseases				Gr Gms. per Plot
H.O.	C.O.	W.T.	Lf.Br.	
tr	tr	1	0	450
		1	0	253
				274
				288
				1265
tr	S	1	0	444
		tr	0	355
				370
				312
				1481
5	R	tr	0	381
		tr	0	250
				400
				181
				1212
5	R	tr	0	412
		tr	0	331
				523
				325
				1591
tr	R	0	0	371
		tr	0	346
				393
				284
				1394

a similar of med-grain types
rogued from Arodia

Very good growth for Arodia in culture

Beeda appear shorter than Arodia

about like Arodia, a little shorter
Very dark on 8/2/43

d (4 rep) x 1.5
45

T. WT.				ain Yield / Acre Bu.	Lbs.	
						101
45.5	72.0	80.2	—	42.2	1898	
						102
45.	78.6	80.6	—	49.4	2222	
						103
45	77.8	80.4	—	40.4	1818	
						104
45	78.0	79.8	()	53.0	2386	
						105
45	77.0	79.1	—	46.5	2091	

101
Uni
Shelled
Mid

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)
106	Calady-40	178	277 356 401 454	8/8	8/16	9/13	44 41
107	Blue Rose CI-1962 TS-7183 cut ground	160	278 338 395 468	8/20	8/27	9/23.	45 44
108	Blue Rose-41 (C 2854-3) cut ground TS-53108 CI-8317	166	279 348 400 458	8/20	8/26	9/23	45 45
109	Arkrose CI-8310 cut ground	177	280 351 390 455	8/9	8/17	9/9	44 43
110	S40-25414, EP x BR	Stutt., Ark.	281 340 393 462	8/17	8/25	9/20	44 43

Diseases				Gr
H.O.	C.O.	W.T.	Lf. Br.	Gms. per Plot
5	S	tr	0	361
		2	0	287
				240
				228
				1116
5	M	1	tr	405
		2	0	418
				447
				340
				1610
5	R	0	tr	408
		tr	tr	335
				350
				259
				1352
tr	S	1	D	324
		tr	0	282
				350
				212
				1168
5	S+	1	tr	376
		1	0	340
				407
				275
				1398

almost as tall as Kamooke

Only apparent difference at cutting time is susceptibility of BK to C.O.

Has very considerable green color on 8/2

Has more discoloration and C.O. than BK on 9/22

T.WT.				ain Yield / Acre Bu.	Lbs.	Bbl
						106
44	75.5	78.4	0.1	37.2	1674	
						107
44.5	75.6	78.1	—	53.7	2415	14.9
						108
43	75.2	77.9	—	45.1	2028	
						109
44	75.2	77.2	0.3	38.9	1752	
						110
45	76.0	77.7	—	46.6	2097	

1943 No	Variety	No 1942	No Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Day Ht
111	Kamrose-34 CI-8314 cut ground	171	282	8/8	8/16	9/12	46	
			339				43	
			397					
			457					
112	B3512A38-6, (SPxSJ)xSBR	165	283	8/16	8/21	9/20	49	
			341				46	
			389					
			464					
113	Kamrose-47 TS-33107 CI-8315 cut ground	175	284	8/7	8/15	9/8	46	
			346				43	
			388					
			463					
114	B2911A18-1-1, KxH cut ground CI-8325	176	285	8/17	8/26	9/17	42	
			349				42	
			405					
			470					
115	B3712A1-7-2, (KxH)xBR cut ground CI 8326	138	286	8/17	8/24	9/20	41	
			343				40	
			398					
			469					

	Diseases				Gr
	H.O.	C.O.	W.T.	Lf. Br.	Gms. per Plot
	5	R	tr	0	384
			tr	0	361
					372
					244
					1361
	5	R	tr	0	496
			0	0	374
					481
					320
					1671
	5	R	tr	0	460
			tr	0	323
					370
					300
					1453
	5	R	0	0	494
			0	0	422
					451
					416
					1783
	5	R	0	0	465
			tr	0	368
					430
					355
					1618

almost as tall as K-47 on 8/2/43

almost as tall as K-47 on 8/2, similar growth habit, has sl. lighter green leaf color than either K-34 or K47.
Taller, later and prob. heavier than Kamiaca's. Leans like Kamiaca

Very uniform lot, short, heavy stiff straw.
Considerably more HO than 116 and shows an occasional C.O. lesion no more HO than BR.

T. WT.				ain Yield / Acre Bu.	Lbs.
					111
46	76.5	78.5	0.2	45.4	2042
					112
45.5	76.8	78.8	(2)	55.7	2506
					113
45	72.9	72.3	—	48.4	2180
					114
46	76.3	79.0	0.7	59.4	2674
					115
44	76.8	77.9	—	53.9	2427

1943 No.	Variety	No 1942	No Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Hv
116	B3710A1-15,-6		287	8/15	8/23	9/18	44	
	(KxH)xBR	149	352				44	
	cut quan CI-8327		396					9/2
			461					
117	B3712A1-15-1,		288	8/21	8/30	9/21	43	
	(KxH)xBR	151	337				42	
			404					9/2
			460					
118	Shoemed		289	8/25	8/6	9/25	42	
	CI-3625	167	336				40	
	TS-19889		391					
			451					
119	AL-5-30,		290	8/11	8/19	9/10	42	
	IxBR	163	344				41	
			406					9/22
			450					
120	CZ-21-27-2,		291	8/25	9/3	9/25	50	
	SxBR	Crowley, La.	342				49	
			403					10/1
			465					

1/9/39	Diseases				Gr
	H.O.	C.O.	W.T.	H.Br	Gms. per Plot
	tr	R	tr	0	403
			tr	0	351
					383
					313
					1450
	5	R	0	0	405
			tr	0	392
					336
					330
					1463
	tr	R	0	0	122
			0	0	171
					231
					140
					664
	tr	R	0	0	374
			0	0	351
					369
					364
					1458
	55	R	1	0	250
			tr	0	372
					395
					321
					1338

Considerable loss.

2s taller & more vigorous than Bk or Bk-41
ll. lighter green color 6/18/43
ll. irregular lit. at least as prod.
as Bk.

appears more productive than
either 10 A1-15 or 12 A1-7, starts to
head later but ripens very fast
Straw as long as 12 A1-7

Clean straw but does not appear
to be as productive as (K×N) × Bk sels.

Too late & too tall.
bad for H.C. Very long ripe, many dead leaf tips

T. WT.				ain Yield / Acre Bu.	Lbs.	
						116
44	75.7	77.7	(4)	48.3	2175	
						117
43	77.2	79.4	0.3	48.8	2194	
						118
47.5	60.3	77.0	1.3	22.1	996	
						119
43.5	74.4	76.1	0.2	48.6	2187	
						120
42	71.3	74.7	0.9	44.6	2007	

1943 No	Variety	No 1942	No Sdg. order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht (in.)	Date Hv.
	B346840-6,		292	8/14	8/24	9/12	42	
121	SxN	71	350				40	9/22
	cut grand.		394					
			453					

Aging	Diseases				Gr
	H.O.	C.O.	W.T.	Lf. Br.	Gms. Per Plot
	5	R	0	0	303
			0	0	330
					382
					280
					1295

an of exp =

Rather wider leaves, plant as tall as BR on 8/2/43 but has a more upright growth habit, sturdier plants, very good color very little H. O.

T. WT.					ain Yield / Acre Bu.	Lbs.	
							121
45.5	59.1	75.6	1.1		43.2	1942	
					46.3		

Beaumont Midseason-Maturing Medium-Grain Varieties:

1943 No	Variety	No 1942	Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Ht
✓ 122	B3710A1-3-2-2, (KxH)xBR	2197	293	8/25	9/1	9/27	49	
			381				49	10/2
			413					
			480					
123	B3710A1-3-3-1, (KxH)xBR	2199	294	8/24	8/31	9/27	48	
			365				47	10/2
Disc			429					
			495					
✓ 124	B3710A1-6-1-1, (KxH)xBR	2205	295	8/17	8/23	9/18	43	
			377				43	9/2
			414					
			482					
✓ 125	B3710A1-9-4-4, (KxH)xBR	2229	296	8/24	8/31	9/26	48	
			373				46	
cut grand			428					
			494					
✓ 126	Blue Rose		297	8/21	8/28	9/23	46	
	CI-1962	135	375				44	
	TS-7183		432					
			488					

Diseases				Gr
H.O.	C.O.	W.T.	Lf.Br.	Gms. per Plot
5 large spots	R	0	0	319
		1	0	385
				283
				300
				1287
10s large spots	R.	tr	0	263
		1	0	273
				302
				446
				1284
5	R	tr	0	370
		0	0	379
				325
				321
				1395
tr	R	tr	0	427
		1	0	290
				318
				408
				1443
10	S.	tr	tr	392
		1	+	365
				331
				353
				1441

A1-3 lines are more susc. to H.O. than A1-15, A1-7, A1-9, A1-6, etc
are tall, have clean stems
appear to be standing better than
123 on 10/7/43

Tall on 8/2/43, like 10A1-15)
lighter green than adj rows and BR
on 8/13, Taller; sl lighter green
than A1-15 lines
Short stems

Not as tall as 124 on 8/2, same lt.
as BR. Is a uniform
medium-grain selection.

T.WT.				ain Yield / Acre Bu.	Lbs.	
						122
42	75.3	79.0	0.7	42.9	1930	
						123
42				42.8	1926	
						124
43	75.3	77.4	(3)	46.5	2092	122 Brnt Med Mix
						125
42.5	75.2	78.2	0.3	48.1	2164	
						126
43.5	74.9	78.0	0.2	48.0	2162	

1943 No	Variety	No 1942	No Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht (in.)	Date Hvst
✓ 127	B3710A1-15-2-2, (K×H)×BR	2248	298	8/18	8/25	9/20	46	
			368				43	
cut grand			411					
			483					
✓ 128	B3710A1-15-5-1, (K×H)×BR	2254	299	8/19	8/25	9/21	48	
			378				46	
cut grand			435					
			493					
✓ 129	B3712A1-7-2-1, (K×H)×BR	2347	300	8/17	8/24	9/20	41	
			362				40	
cut grand			431					
			476					
✓ 130	B3712A1-7-2-3, (K×H)×BR	2349	301	8/21	8/27	9/22	42	
			380				42	
			421					
			478					
✓ 131	B3712A1-7-3-2, (K×H)×BR	2352	302	8/20	8/28	9/21	46	
			361				46	
cut grand			423					
			471					

	Diseases				Gr
	H.O.	C.O.	W.T.	Lf. Br.	Gms. Per Plot
5		R.	tr	0	433
			1	0	320
					351
					343
					1447
tr		R.	tr	0	456
			1	0	369
					340
					459
					1624
5		R	0	0	424
			1	0	473
					381
					377
					1655
tr		R.	0	0	388
			tr	0	383
					365
					311
					1447
tr		R	0	0	444
			1	0	433
					369
					388
					1634

no C.O. mixed

no C.O. mixed

no C.O. mixed

2a sl. taller than BK on 8/2/43
Same ht. as BK on 9/25 (repic)
2a as uniform in ht. as BK.
Panicle has a more distinct droop than BP.

2a taller & looks better than other A1-15 lines (127) on 7/29.
Considerably taller than BK + 127 on 9/25

about same ht as BK on 8/2 but town leaves particularly one in much better condition, less N.O., + less discoloration
Shot very uniform ht on 9/20

Same as 129 on 8/2
sl. taller than 129, irregular ht.

Same as 129 on 8/2
(taller than other A1-7 lines on 8/13 Best)
Taller than others on 8/27 also
Taller than 129 + 130 on 9/20, sl irregular ht. Do not any taller than BK
Heavier straw than BK + 10 A1-15

T.WT.				ain Yield / Acre Bu.	Lbs.	
						127
44	77.4	79.4	–	48.2	2170	
						128
45	74.5	77.5	(2)	54.1	2436	
						129
					3	
45	75.2	77.8	—	55.2	2482	
						130
43.5	76.5	78.0	—	48.2	2170	
						131
45.	77.3	78.9	(2)	54.5	2451	

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Day Ht.
✓ 132	B3712A1-7-5-2, (K x H) x BR	2355	303 363 422 496	8/21	8/28	9/21	41 39	
✓ 133	B3712A1-15-1-1 (K x H) x BR	2364	304 371 420 499	8/20	8/28	9/17	42 42	
✓ cut grain 134	B3712A1-15-1-2, (K x H) x BR	2365	305 366 409 491	8/21	8/28	9/20	42 42	
✓ 135	B3712A1-15-1-3, (K x H) x BR	2366	306 384 433 498	8/21	8/28	9/20	44 45	
136	B3712A1-21-1-2, (K x H) x BR	2382	307 372 424 479	8/19	8/26	9/21	47 45	

Disc

Disc

Disc

Is this the best grain type 1942 A1-15 lines type

Diseases				Gr
H.O.	C.O.	W.T.	Lf. Br.	Gms. Per Plot
55	R	Tr	0	342
		1	0	399
				448
				406
				1595
Tr	R	0	0	365
		1	0	446
				401
				378
				1590
5	R	0	0	411
		1	0	385
				426
				359
				1581
5	R	Tr	0	310
		0	0	437
				551
				427
				1515
5	R	0	0	357
		2	0	361
				306
				312
				1336

No C.O. with

2d shorter than other 12 A1·7 lines on 8/2.
Short like 129 on 9/20, not as uniform in ht, similar to 129 prob. not as productive,

Short like 129 + 132, fairly uniform in ht. v good Shortest + earliest poor grain type,

sl later than 133, possibly a little taller, very good

sl taller than 133 + 134 on 9/20

Tall on 8/2, long drooping leaves like tam.
Tall on 9/20,
Very tall but good hog straw, Uniform

T. WT.				ain Yield / Acre	
				Bu.	lbs.
					132
44.5	76.8	78.7	—	53.2	2392
					133
42.5	74.5	78.5	—	53.0	2385
					134
43.	77.2	79.7	—	52.7	2372
					135
43.5	76.4	79.0	(3)	50.5	2272
					136
43				44.5	2004

1943 No	Variety	No 1942	No Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)
137	B3712A1-21-3-2, (K x H) x BR	2385	308 358 427 485	8/20	8/27	9/24	49 47
✓ 138	B62-4-1, K x H	2151	309 385 430 473	8/19	8/25	9/17	43 44
✓ 139	B64-10-1, K x H	2154	310 367 412 492	8/23	9/1	9/25	49 47
140	B64-3-2, K x H	2163	311 379 415 472	8/23	8/31	9/23	43 43
✓ 141	B41-3259 Bruinmissie Sel.	104	312 364 408 497	8/25	9/1	9/23	46 46

Var. Ht.

alt. alt ground. Data in cells in 1942 sel. shows var. semi

alt ground

Measured row in 1942 but K x H green appearance & shattering

Lodging 2/3 green in 1942

alt ground

Diseases				Gr Gms. Per Plot.
H.O.	C.O.	W.T.	l.f. Br.	
5	R	0	0	447
		1	0	450
				362
				380
				1639
th	R	1	0	431
		2	0	440
				380
				385
				1636
5	R	th	0	391
		1	0	324
				372
				454
				1541
th	R	0	0	335
		1	0	340
				366
				370
				1411
5	R	0	0	347
		1	0	352
				414
				440
				1553

Tall on 8/2, long drooping leaves like Kamuro.
like 136. May break over as appears to be drying back very rapidly

about as tall as BR on 8/2/43
Rather light green
Relatively short straw, very uniform
Very Good clean straw good for
HO 2

Much worse for HO on 8/2 than others,
Tall very dark green, very clean straw and leaves, may break over as appears to be drying back quite rapidly

Hostyre tall as 128, Ast tall as 130
clean straw, very uniform lot, but heads do not appear heavy enough

Rank growth on 8/2, sl lighter green color and wider leaves than BR
Light green leaf color when ripe
looks quite productive, ripens fast
vegetation stays green

T.WT.				ain Yield / Acre Bu.	Lbs.	
						137
				5		
44				54.6	2458	
						138
				6		
46	76.6	78.0	0.4	54.5	2454	
						139
43	76.6	79.4	—	51.4	2312	
						140
43.5			—	47.0	2116	
						141
46	78.2	80.0	—	51.8	2330	

1943 No	Variety	No 1942	No Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)
✓ 142	Blue Rose-41 (C2854-3)	148	313	8/20	8/27	9/23	45
			374				44
	TS-33108		434				
	CI-8317		489				
✓ 143	B403, Bruinmissie Sel.		314	8/27	9/4	10/1	52
			369				59
			417				
			487				
✓ 144	B42-2693, Bruinmissie Sel.	2693	315	8/21	8/31	9/24	47
			359				46
cut grass			425				
			477				
145	B42-2665, BR (smooth)	2665	316	9/2	9/9	10/4	44
			360				44
Disc			410				
			486				
✓ 146	B3512A2-41-2, (SP×SJ)×SBR	3162	317	8/26	9/3	9/29	49
			370				47
Had wheat in spring — 1942			416				
cut grass			481				

Diseases

H.O.	C.O.	W.T.	Lf. Br.	Gms. per Plot
5	R	0	0	389
		tr	+	351
				346
				345
				1431
105	R	0	0	324
		0	0	398
				327
				370
				1419
5	R	0	0	418
		tr		436
				391
				405
				1650
5	R	2	0	288
		2	0	210
				248
				236
				982
5	R	0	0	320
		1	0	247
				287
				273
				1127

Too tall and too late, should be quite productive

Similar to 141 except sl. ranker growth.
Very tall on 9/20, much taller than other Brunn. lots. Many stunted florets.

Similar to 143
Rather taller but not as tall as 143 on 9/20. Longer grain type, more open panicle. Sl. irregular lot. Has light green leaf color of 141 when ripe, leaves about as wide as 141.
Very good, Sl. taller than 141

Short vegetative growth on 8/2, much shorter than BK, light green color of Brunnmine also.
Very poor discard

not as tall as better alls on 8/2
Very tall, uniform lot, very clean straw, reduced leafiness

TNT.

				Acre Bu.	Acre Lbs.	
						142
44.5	74.4	77.7	0.2	47.7	2146	
						143
48	74.5	77.7	—	47.3	2128	
						144
49	76.8	78.3	(4)	55.0	2475	
						145
45.5				32.7	1473	
						146
46	75.5	77.9	—	37.6	1690	

1943 No	Variety	No. 1942	No. Sdg. order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)
	B379A1-5-2,		318	8/30	9/10	10/1	47
147	(K×H)×(SP×SJ)	3206	376				47
			426				
	Disc	4th 12 3207 do not mix with others	475				
	B379A1-41-D2,		319	8/13	S 8/22	9/20	Seg
148	(K×H)×(SP×SJ)	3198	357	Segregating			Seg
			407		Discard		
	Disc		490				
✓	B401A3-18,		320	8/23	8/31	9/25	45
149	BR-41×B2913A29	4362	383				45
	cut grand		419				
			474				
✓	B401A125,		321	8/16	8/24	9/20	43
150	BR-41×B2913A29	4336	382				43
	cut grand		418				
	Discard in Bmnr # 2892 ✓		484				

	Diseases				Gr
	H.O.	C.O.	W.T.	Lf. Br	Gms. per Plot
Seg		R	0	tr	326
			0	+	345
					275
					352
					1298
tr		R.	tr	0	310
			1.	tr	228
					287
					294
					1119
5		—	0	0	409
			0	0	362
		R in 1942	0 in 1942	none in 1942	420
					374
					1565
10		—	0	0	451
			0	0	414
					389
		R in 1942	0 in 1942	tr in 1942	365
					1619

Tall like Kamiroa on 8/2, good dark green color, Bed for leaf Br. in 2nd + 3rd Very good for N.O. resistance
On 8/13 legumes are fairly long but do not droop like Kamiroa,
looks quite productive but very late - Uniform

Tall like Kamiroa on 8/2, lighter green color - Very clean for H.O. Good

Seg Discard

like Bk for ht + color on 8/2, Very dark green color on 8/13

Later & taller than 150 Both are very heavy looking

Taller than 149 on 8/2, 2d taller than BK lighter green than 149 on 8/13, also taller and earlier. Very good.

T. WT.				Yield Acre Bu.	Lbs.	
						147
4 44 / 44.				43.3	1947	
						148
45				37.3	1678	
						149
43	74.5	78.5	(3)	52.2	2348	
						150
45	75.6	77.8	0.2	54.0	2428	

Duplicated Midseason-Maturing Medium-Grain Varieties:

1943 No.	Variety	No. 1942	No. Sdg order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Ht.
151	S2912A34-2-8-9-6, KxBR	127	322 447	8/14	8/20	9/18	46 44 45	9/7
152	Kamrose-47	175	323 439	8/9	8/15	9/10	46 41	9/4
153	S2912A34-2-~~1-3~~ 8-4-4, Sel, KxBR	132	324 449	8/17	8/23	9/20	48 46 47	9/1
154	Kamrose-34	171	325 442	8/9	8/16	9/12	45 41	9/1
155	B3512A38-5-3, (SPxSJ)xSBR	242	326 445	8/14	8/20	9/13	45 43 44	

Cut grand

Diseases				Gr
H.O.	C.O.	W.T.	Lf. Br.	Gms. per Plot
10	R	0	0	457 363 820
5	R	tr	+	359 284 643
5	R	tr	0	440 346 786
10	R	1	0	361 283 644
5	R	tr	0	407 388 795

Tall, sl lighter color than K-47 on 8/2.
Drooping leaves like Kamrose on 8/13
Standing very well on 9/25 but
is late than earlier types which are
leaning badly

Tall on 8/2
more discoloration than A34
on 9/25

Similar to 151, lighter green color
than K-47 on 8/2 but darker than 151 & 153
Very tall, productive Taller than 151

Similar to 151 + 153, also sl
lighter green than K-47.

Similar to 151 + 153 as to color
on 8/2. sl wider leaves than Kamrose.
leaning about like Kamrose.
Very uniform, looks heavier than Kam.

T.WT

	ain Yield Acre Bu.	lbs.		
as long as Bk, hardly as broad more damage and breakage than no.152	✓ 54.7	✓ 2460	(1)	151
46				
and texture and milling qual. breakage as Bk, not	✓ 42.9	✓ 1929	(6)	152
45				
excellent texture and milling qual. no breakage, as long as Bk, not broad	✓ 52.4	✓ 2358	(3)	153
46				
fine texture, sl smaller and more damaged grains than 153	✓ 42.9	✓ 1932	(6)	154
45.5				
very good, about same size as Kanred-34, less damaged grains (discing)	✓ 53.0	✓ 2385	(2)	155
45.5				

151 Dupl. Med

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Day Ht.
156	B3512A38-6, (SPxSJ)xSBR	165	327 441	8/17	8/23	9/20	48 44	
157	B404A1-43, BR-41xEP	444	328 438	8/19	8/28	9/21	44 41	
158	B353A2-14-1-2, Kx7143	3087	329 444	8/24	9/1	9/23	39 41	
159	B42-3019, SxK	3019	330 448	8/21	8/31		42 43	
160	B3910-1, EP	2648	331 446	8/10	8/20	9/12	43 43	

looked like Arkansas in 1942 except Cercosporaceae cut grass

Diseases				Gr Gms. per Plot
H.O.	C.O.	W.T.	Lf. Br.	
10	R	tr.	0	406
				335
				741
5	Sep	tr	tr	305
				256
				561
0R	S	0	tr	269
				301
				570
15 very hyp. infection	M	1	0	322
				319
				641
5	R	1	0	211
				253
				464

similar to 155 but hardly as tall on 8/2.

Sl. taller than Kansas + 155,
Prob. more productive

about like BR except, sl earlier,

Rather light green color 8/2/43
Erect, wide leaves, clubpon,
Very Uniform

Lrec, poor BR type

Tall like Kansas 8/2/43 looks very
much like Arlone on 8/2,

T.WT

	Grain Yield / Acre Bu.	Lbs.		
Excellent texture, clear al. smaller than BK	✓ 49.4	✓ 2223	(4)	156
45.5 a very good BK type, no breakage, very little chalk.	✓ 37.4	✓ 1683	(11)	157
45 excellent texture, no breakage, sh.-gr. clear, send sample to J.W. for alkali test.	✓ 38.0	✓ 1710	(10)	158
43.5 excellent BK type, fully as long no breakage, clean looking	✓ 42.7	✓ 1923	(8)	159
45 excellent texture, very little breakage, possibly a little smaller than Arkwar	✓ 30.9	✓ 1392	(12)	160

44.

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Dg. Ht.
disc 161	B2912A13, Sel.		332	8/8	8/17	9/12	42	
	KxBR	2609	437				42	
	(Non-Purple Sel)							
162	Blue Rose Sel. (E. Pearl type)	247	333 440	8/17	8/24	9/20	40 38	
disc 163	B3512A2-10-4, (SPxSJ)xSBR	2022	334 443	8/10 Seg. irregular	8/18	9/9	41 42	
disc 164	B3512A38-1-4, (SPxSJ)xSBR	3164	335 436	8/20	8/31	9/20	40 38	

dist. pounded type in 1942

Diseases				Gr
H.O.	C.O.	W.T.	Lf.Br	Gms. per Plot
tr	R	0	0	260
				220
				480
10	S+	1	0	347
				249
				596
10	R	tr	0	367
				328
				695
tr	R	0	0	214
				156
				370

Wider leaves than Kamoro, hardly ever
looks vigor. disc, acc not
productive enough

Shorter than other selec. on 9/2/43,
growth about like A1-6 line o(K x W) v F
but more succ. to disease, many
dead leaves at base

disc: very poor.

Rather wide leaves, as tall as BK on 8/2
but shorter than other selc in tot. clean
for F.D. Very good color, erect growth
habit
Heads are short cut type,
very few seed per head.
Very poor. Disc

T.WT

ain Yield
Acre
Bu. Lbs.

Opaque texture, disc

✓ ✓ (12) 161
32.0 1440

43.5

✓ ✓ (9) 162
39.7 1788

45
atter small med. grain, clear (½)
t consid breakage ✓ ✓ 163
46.3 2085

45.
almost as long as Bk, thinner
nd narrower, sl. flat ✓ ✓ (14) 164
24.7 1110

46.5

121 ? = prob discard

Single Midseason-Maturing Medium-Grain Varieties

1943 No	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)
disc 165	B3710A1-4-1-1, (KxH)xBR	2202	500	8/16	8/23	9/18	44
166	B3710A1-6 (KxH)xBR	136		8/16	8/21	9/18	44
disc 167	B3710A1-9 (KxH)xBR	143		8/23	8/31	9/26	47
168	B3710A1-10-2-2, (KxH)xBR	2232		8/15	8/22	9/18	44
disc 169	B3710A1-11-1-1, (KxH)xBR	2234		8/19	8/26	9/22	45
disc 170	B3710A1-16-1-1, (KxH)xBR	2261	505	8/13	8/20	9/16	45
disc 171	B3710A1-20, (KxH)xBR (check no. with sdg plum.)	2266		8/19	8/25	9/19	46
disc 172	B3710A1-20-1-1, (KxH)xBR	2269		8/16	8/23	9/18	46
173 disc	B3710A1-19-3-1, (KxH)xBR	2273		8/16	8/24	9/17	41
174	B3710A1-20-2-2, (KxH)xBR	2275		8/21	8/29	9/21	47
175	B3710A1-21-3-2, (KxH)xBR	2284		8/20	8/27	9/21	49
176 disc	B3710A1-22-1-1, (KxH)xBR	2287	511	8/13	8/19	9/16	47

Diseases				Gr
H.O.	C.O.	W.T.	Lf.Br.	Gms. per Plot
tr		0	0	392
5		0	0	390
5		0	0	417
5		0	0	431
10		Blotch tr	0	348
5		0	0	369
5		0	0	317
5		tr	0	377
10		0	0	337
5		0	0	490
15		1	0	345
Blotch		tr	blotch	377

First

questionable

lighter green than 167
good.

Tall, long good stem
Good if grain o.k. 2's segregating for
grain length (long + medium-lg.)

Tall on 8/2
Fair

good Rather light green color when ripe

Desi. stiff panicle neck much
slender

lighter green leaf + stem color when ripe
seeds very uneven. If good
very different from other sels. Stem type
more like Kanomoc
Tall on 8/2.
only few

Poor.

Irregular lot
Good Very big plot.

Very tall on 8/2. Irregular lot when ripe
upright flag. good

Very tall on 8/2, + dark green plots
good

	ain Yield / Acre Bu.	Lbs.	
tin small seeded, possibly segr. for ze, very good texture,	52.3	2352	165
ellent qual & shape, very uniform a W.C. shed a chalk.	52.0	2340	166
	55.6	2502	167
cellent qual Bk type, segreg length	57.5	2586	168
	46.4	2088	169
	49.2	2214	170
	42.3	1902	171
	50.3	2262	172
	44.9	2022	173 165 Sing Ma
tin short Bk type, excellent texture, chalk at W.C. uniform	65.3	2940	174
long as Bk or longer, segreg length good texture	46.0	2070	175
	50.3	2262	176

1943 No.	Variety	No. 1942	Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in)
disc. 177	B3710A1-22-3-3, 2296 (KxH)xBR		512	8/18	8/25	9/21	50
disc. 178	B3710A1-22-4-1, 2299 (KxH)xBR			8/13	8/19	9/17	46
179	B3710A1-22-5-3, 2303 (KxH)xBR			8/17	8/25	9/19	48
180	B3710A1-22-6-2, 2307 (KxH)xBR			8/14	8/21	9/19	45
181	B3710A1-23-1-2, 2312 (KxH)xBR			8/20	8/28	9/27	49
disc. 182	B3710A1-23-2-1, 2314 (KxH)xBR			8/17	8/27	9/26	48
disc. 183	B3710A1-23-6-2, 2325 (KxH)xBR			8/18	8/26	9/20	42
disc. 184	B3712A1-4-1-1, 2344 (KxH)xBR			8/23	9/1	9/20	42
disc. 185	B3712A1-6-1-1, 2346 (KxH)xBR			8/22	8/31	9/20	42
186	B3712A1-12-1-1, 2359 (KxH)xBR			8/19	8/28	9/19	41
187	B3712A1-16-1-1, 2368 (KxH)xBR			8/20	8/28	9/19	45
188	B3712A1-18-2-1, 2372 (KxH)xBR		523	8/19	8/26	9/18	43

Diseases				Gr
H.O.	C.O.	W.T.	Lf. Br	Gms. Per Plot
5		tr	0	439
10		tr	blotch	348
5		tr	0	474
5		tr	0	525
10		0	0	491
tr		0	0	430
tr		0	0	399
tr		0	0	379
tr		1	0	307
10		2	0	379
5		1	0	373
10		tr	0	428

DATES		
HEADING	FULL	
1ST FULL	RIPE	

DATES	
HEADING	FULL
1ST FULL	RIPE

Tall on 8/2 / Very heavy grain yield
V. good / judging from field appearance
Rather tall but standing O.K.

Hardly as tall as adj. rows on 8/2
Only fair

Very tall on 8/2
Hardly as good as 177, similar

Tall on 8/2 Very uniform lot, not
as tall as 177 or 179 when ripe.
V. good.

Fairly tall on 8/2 bad for H.O.
Taller than 180, not as good.

Irregular lot, dead

Poor

Only fair

Poor

Poor

~~only fair~~
Seg. for neck-leaf character
Only fair

	ain Yield / Acre Bu.	Lbs.	
good BK type, sl shorter than 126, cellent texture, quite uniform	58.5	2634	177
	46.4	2088	178
cellent BK type, almost as long as 126, but ry cylindrical so less W.C. Better than 177.	63.2	2844	179
ery good BK type, possibly some segregation for size, Some as long & broad as BK (126)	70.0	3150	180
segregating for grain size, some ger than BK (126) very good texture egist grains of any, good texture though	65.5	2946	181
	57.3	2580	182
	53.2	2394	183
	50.5	2274	184
	40.9	1842	185
	50.5	2274	186
	49.7	2238	187
good texture, avg. length.	57.1	2568	188

1943 No	Variety	No. 1942	Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)
189	B3712A1-19-3-1, (KxH)xBR*	2374	524	8/20	8/27	9/21	45
disc 190	B3712A1-20-3-1, (KxH)xBR*	2378		8/19	8/25	9/18	41
disc 191	B3712A1-21, (KxH)xBR	137		8/17	8/24	9/18	43
disc 192	B3712A1-24-1-1, (KxH)xBR*	2386		8/15	8/22	9/18	41
disc 193	B64-8, KxH	264		8/16	8/24	9/18	43
disc 194	B64-7, KxH	263	529	8/20	8/28	9/20	45
disc 195	B64-10, KxH	265		8/21	9/1	9/21	48
disc 196	B64-5-1, KxH	2147		8/20	8/31	9/18	44
disc 197	B64-9-1, KxH	2153		8/17	8/25	9/18	44
disc 198	B64-1-1, KxH	2157		8/22	9/2	9/18	46
disc 199	B62-1-2, KxH	2161		8/17	8/26	9/20	42
disc 200	B64-13-1, KxH	2164		8/23	9/1	9/20	44
disc 201	B64-4-1, KxH	2165		8/21	8/31	9/22	46

Diseases				Gr
H.D.	C.O.	W.T.	H.Br.	Gms. Per Plot
5		0	0	463
5		1	0	390
5		tr	0	319
10		tr	0	319
5		tr	0	380
10		1	0	364
10		3	0	272
5		1	0	326
10S		1	0	383
5		1	0	349
10		0	0	377
5		1	0	345
5		tr	0	341

good, better than adj. plots.

Most straw, ripens rapidly
straw stays very green.
Very uniform but questionable grain

Only fair

only fair

poor

poor

poor

poor

poor

poor

poor

poor

Only fair

	ain Yield / Acre Bu.	lbs.	
Good texture, much segreg. for size & length of grain	61.7	2768	189
thick & tough hull, too much shed. large broad grain.	52.0	2340	190
	42.5	1914	191
	42.5	1914	192
	50.7	2280	193
	48.5	2184	194
	36.3	1632	195
	43.5	1956	196
	51.1	2298	197
	46.5	2094	198
	50.3	2262	199
	46.0	2070	200
	45.5	2046	201

1943 No	Variety	No 1942	Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Date Hv
202	B64-6-3, KxH	2171	537	8/20	8/28	9/20	46	
203	B62-4-3, KxH	2179		8/19	8/28	9/21	47	
204	B64-7-1, KxH	2182		8/21	8/28	9/20	45	
205	B64-9-4, KxH	2187		8/16	8/24	9/18	46	
206	B64-1-3, KxH	2189		8/23	9/1	9/21	48	
207	B64-11-1, KxH	2192		8/21	8/28	9/18	46	
208	B64-12-2, KxH	2194		8/21	9/1	9/22	48	
209	B3512A38-25-3, (SPxSJ)xSBR	3165		8/22	9/1	9/23	48	
210	B379A6, (KxH)x(SPxSJ)	3219		8/23	9/1	9/22	47	
211	B379A6, (KxH)x(SPxSJ)	3223		8/15	8/28	9/16	43	
212	B3715A6-5-4, ~~(B512A~~ xSBR	3263		8/11	8/17	9/7	44	
213	B3715A22-1-2, 3512AxSBR	3271		8/28	9/9	10/8	46	
214	B3715A12-1-1, 3512AxSBR	3288	549	8/20	8/27	9/25	45	

Diseases				Gr Gms.
H.O.	C.O.	W.T.	Lf.Br	Per Plot
5		1	0	329
5		1	0	399
10		1	0	369
5		0	0	430
5		1	0	393
5		1	0	323
5		0	0	399
10		tr	0	453
5		0	0	482
tr		0	0	362
tr	R	2	0	288
R	very clean vegetation			
105		0	0	337
10		0	0	402

good, much better than adj plots

fairly good, Irregular lt. Rather short straw

good

good

looks very hvy, rather tall, Uni. lt, ripens rapidly, Valiant straw.

poor

Rather upright flag, sl irregular lt, hvy.

looks hvy, sl irregular lt

straw rather fine as compared with (5x14)x13R0

questionable ?

Highly resistant to H. O., upright flag short straw, Uniform lt.

grain ripens very fast, straw stoop gr

very dark green color, rather narrow leaves on 8/2 & 3

med-light lt color, not as tall as B on 8/2

v. good, BK growth habit & appearance on BK

sl taller than BK

fairly good.

	ain Yield Acre Bu.	lbs.	
rather small seeded type, some variation for length, excellent texture.	43.9	1974	202
ry uniform rather small med-gr type excellent texture,	53.2	2394	203
same as 203	49.2	2214	204
similar to 203, quality sl poorer	57.3	2580	205
similar to 203, sl. more W.C.	52.4	2358	206
	43.1	1938	207
excellent texture, rather long cyl. grain. no chalk. segreg. length	53.2	2394	208
rather long cyl. grain excellent text. no chalk, sl. variation as to length	60.4	2718	209
Excellent texture long as BK, grow in 1944 acc. W.O. resel. best from cross	64.3	2892	210
excellent texture, slender and sl. thinner grain than 210	48.3	2172	211
very long, stands very straight rather small med-gr. type, W.C., clear texture, uniform.	38.4	1728	212
	44.9	2022	213
quite typical BK grain type as to size, shape, and amount of chalk shot, etc.	53.6	2412	214

1943 No.	Variety	No. 1942	No. Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Day Ht.
disc 215	B3715A15-4, 3512A×SBR	3302	550	8/21	8/28	9/25	44	
disc 216	B3715A24-10, 3512A×SBR	3306		8/24	9/2	9/29	42	
cut out 217	B3715A36-6, 3512A×SBR	3310		8/13	8/19	9/18	46	
disc 218	B3723B39-26, F1(CO×C46)×BR	3697		8/14	8/25	9/25	44	
219	B323B40-3, R×SBR (Earliest in 1942)	2766		9/1	9/9	9/30	46	
disc 220	B401A50, BR-41×2913A29	4257		8/20	8/27	9/25	44	
221	B401A70, BR-41×2913A29	4278		8/21	8/28	9/26	44	
222	B401A72, BR-41×2913A29	4281		8/19	8/25	9/25	44	
disc 223	B401A74, BR-41×2913A29	4283		8/20	8/26	9/25	45	
disc 347	B401A3-34, BR-41×2913A29	4378	559	8/22	9/2	9/26	44	

on 223A

31 to be discarded as for
9
6
46
35 81 records

Diseases				Gr
H.O.	C.O.	W.T.	L.B.r.	Gms. per Plot
10		1	0	327
5		1	0	309
5		tr	0	252
20		0	0	209
5		tr	0	288
10		0	0	435
10		0	0	429
15		0	0	365
15		0	0	368
10		0	0	403

poor

poor

Reduced leaf area stem

looks like BK on 8/2 except larger D.O. opto
Has many diseased florets on 8/28

darker green color than others on 8/2

45.5

47

are fuzzy and BKs
all are V, uniform as to size & shape

shorter than others on 8/2

	ain Yield / Acre Bu.	Lbs.	
	43.6	1962	215
	41.2	1854	216
rather small med-gr. type, less chalk & W.C. than 212 line.	33.7	1518	217
	27.9	1254	218
excellent quality & texture no, W.C. & chalk, a rather small med-gr.	38.4	1728	219
quite typical BK grain, possibly ½ more chalk & W.C. than BK, at least too much.	58.0	2610	220
quite typical BK grain, less chalk than 220, possibly a little more than 221.	57.2	2574	221
best for chalk, less than any of others	48.7	2190	222
almost as good as 222	49.1	2208	223
	53.7	2448	347
more chalk than others — poor			

Single Midseason-Maturing Short- and Medium-Grain Varieties:

1943 No.	Variety	No. 1942	Sdg. Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	D
224	B42-2658, IBR 2658		560	8/18	8/23	9/16	46	
	In healing nursery a sister strain looked better than the sel (2754) grow sel.							
225	B42-2659, IBR 2659			8/20	8/27	9/18	46	
226	B42-2663, IBR 2663			9/8	9/15	10/10	51	
227	B42-2668, BR 2668			8/27	9/7	10/1	48	
	gold-hull, very bad for leaf yellow in 1942							
228	B42-2685, BR 2685 (Wilfert)			8/29	9/8	10/4	53	
229	B312A8, FxEP 2727			8/21	8/28	9/24	47	
230	B36MS-1-7, 2737 (Med x Short)			8/28	9/4	9/26	49	
231	B343B41-7, Nxk 2885			8/23	9/2	9/28	47	
232	B343B4-9, NxK 2887			8/30	9/7	—	53	
233	B35X-3, 5398xBR 2972			8/24	9/2	—	51	
234	B354A1-13-5-2, 3094 SBRx7143			8/31	9/9		52	
	Tall, big straw, very compact head. Should do well on old land.							
235	B3722A1-75-5, 3506 FxBR			8/26	9/4	9/28	48	
236	B3722A1-142-2, 3530 FxBR		572	8/24	9/5		53	

Diseases				Gr Gms. per Plot
H.O.	C.O.	W.T.	L.B.Br.	
tr	R	0	0	392
tr	R	tr	0	354
tr	R	0	0	431
tr	R	0	+	422
5	R	0	0	372
5	R	tr	0	413
tr	R	1	0	360
5	R	0	0	391
tr	R	0	0	370
10	R	tr	0	402
20	R	0	0	560
does look very rapidly, apparently				
20	tr	0	0	317
20	R			309

Tall very good on 8/2/43
Jap straw type, grain ripens rapidly, straw stays very green.

Hardly as tall as 224, good, similar to 224 but longer grain type not as good

Smooth type, prob taller than 145
Very tall, late, very uniform, lt.
Rather tall, very good, shatters

Short on 8/2, bad for yellowing
looks very good when dyed, very uniform
deep gold heads, clean regulation

Very tall on 8/2. Very good, (sh. lighter green than 33K)
Prob. a sister x BK cross. Tall,
Very uniform + hvy. Head to fodder
(tendency to shatter)

V. dark green color, good lt.
Excellent BK type, very clean straw

Ripens very rapidly, shatters
a very good type, clean straw
shatters, good

Tall, very good growth & color on 8/2, somewhat
similar to Lamoure, except lighter green
color, even more vigor.
non shattering — both very promising

Same as 231 on 8/2. 2" taller
and later than 231, also longer grain
not as promising

Tall, dark green color on 8/2

Very tall upright growth rather wide leaves,
rather lighter green color on 8/2. HO. very bad
appears to be a very heavy producer. Lodging
Very bad for HO on 8/2, not as tall as
234.

Similar to 235, Too tall [illegible]

	ain Yield / Acre Bu.	lbs.	
Excellent quality small med-gr. type no chalk or W.C, no breakage.	52.4	2358	224
...ailly long med-gr type, cyl. shape too much W.C. rather dull texture ...nob. discard acc. poor tex the	47.2	2124	225
...xcellent texture, no chalk or W.C. ...must as long as BK, sl. more cyl.	57.5	2586	226
...Cattu small seeded, too much breakage, good texture, flavored ...o doubt a Deletus hybrid.	56.4	2538	227
...xcellent texture, clear no breakage, ...med-long-grain type.	49.6	2232	228
...pague, discard, med-gr.	55.1	2478	229
...ll. dull texture, too much breakage	48.0	2160	230
...mall seeded, tough bran, shad, too much breakage.	52.1	2346	231
...limpet a med-gr. for length, pattern ...lendor. Excellent texture no breakage	49.3	2220	232
	53.6	2412	233
...ely fair, tr. shad, rather cyl. ...rain.	74.7	3360	234 224 Single Med Short
	no c.g. 42.3	1902	235
	41.2	1854	236

1943 No	Variety	No. 1942	No. Sdg. order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Dg. Ht.
dies 237	B354A1-34, SBRx7143		112	8/23	9/5	9/25	47	
238	B341B40-10, CAxF		123	8/23	9/1	9/18	45	
dies 239	B342A4-1, 3212xBR		126	8/27	9/5	10/1	50	
dies 240	B323A2-8-2-1, RxSBR		245	8/3	8/12	9/5	44	
cut grain 241	B323A3-1-1-1, RxSBR		270	8/25	9/2	9/23	47	
cut grain 242	B344B41-2, CAxK		2893	8/11	8/17	9/15	40	
dies 243	C1-61-9, FxC		2874	8/21	8/29	9/23	49	
244	B343B41-1, NxK		2878	8/20	8/30	9/22	43	
dies 245	B358A3-25-1-2, Kx4700		3138	8/26	9/3	10/3	46	
			leaves die back as grain ripens					
dies 246	B351A1-100-1, KxS		2989	8/20	8/31	9/29	44	
dies 247	B341B41-1, CAxF ~~Prob, KxS~~		2865 ?	8/21	8/31	9/18	44	
	looks very similar to plot 238							
dies 248	B42-3006, SxK		3006	8/31	9/9	10/5	49	
dies 249	B42-3011, SxK		3011	585 9/3	9/11	10/3	50	

Diseases				Gr
H.O.	C.O.	W.T.	Lf. Br.	Gms. per Plot
10	R	0	0	268
5	R	tr	0	311
10	R	1	0	357
10	R	tr	0	316
10	R	0	0	348
5	R	0	0	423
15	R	0	0	408
15	R	0	0	386
tr	R	0	0	354
5	R	0	0	301
10	R	tr	0	322
5	R	0	0	300
10	R	0	0	365

Irregular ht, only fair.

Very uniform ht. Erect flag – grain ripens fast – straw stays green – not so ta
Very good, grain rather flat

good, uniform type but too
much variability, clean straw

Rather tall, good color on 8/2/43

very long leg – strawed type, ripens
very rapidly – straw stays very green
fairly tall, very uniform ht – standing
remarkably well color fa same

dark green, v. good on 8/2
very uniform Jap type

Tall, rather light green color on 8/2
Tall when ripe, open panicle fairly long

Med ht on 8/2 upright growth very dark green
Short straw, very uniform ht, long

Med ht on 8/2 highly resist to H.T. upright
growth many dark leaf tips on 8/2
upright flag. Beards. shatters very badly
Shatters very badly, el irregular ht

Is prob the same strain as plot 230

Very good flat type no shattering
v. uniform, promising, very little shattering
wider leaves than other S x T sels, plot
not typical BK on 8/2 Rec. ? pro

	ain Yield / Acre Bu.	Lbs.	
	35.7	1608	237
ttin small seeded, fair texture, l. dull.	41.5	1866	238
	47.6	2142	239
mall seeded, some W.C. only air appearance.	42.1	1896	240
least as long as BK, quite cyl. d much more slender than BK W.C. and some grains of barley (but good)	46.4	2088	241
tter small seeded Jap type s shod, very good for Jap type.	56.4	2538	242
mall breakage, clear bottom y little shod & chalk, long shod-gr.	54.4	2448	243
tter than 231, hardly as good 232, similar length and ture.	51.5	2316	244
ell, very bad for shad.	47.2	2124	245
	40.1	1806	246
ly good small seeded type, tr. shad	42.9	1932	247
very small seeded type, considerable eakage due to sun checking	40.0	1800	248
	48.7	2190	249

1943 No	Variety	No. 1942	No. Sdg Order	Date Head 1st	Date Head Full	Date Full Ripe	Plant Ht. (in.)	Da H
dead 250	B42-3014 Sxk 3014 looked like BK in 1942		586	8/21	8/28	9/25	45	
dead 251	B42-3024 Sxk 3024		587	8/30	9/11	10/8	43	

Date 1st Head	Date Full Ripe	Plant hgt. (in.)	Lodging	Heln

Date	Plan hgt. (in.)

Diseases				Gr Gms. per Plot
H.O.	C.O.	W.T.	Lf. Br.	
10	S	0	0	356
5	S	0	0	333

Diseases *			
dging	Helminth	Cerco spora	White Tip

Y
GMS. PER ROW

DATES HEADING 1ST	FULL	FULL RIPE	PLANT HT. (IN.)	Date 1st Head	Full Ripe
quite typical BK growth on 8/2					
Probably is BK					
upright Kanwood growth on 8/2					

Date 1st	Ripe	Plant hgt. (in.)

ite Tip		ain Yield Acre Bu.	Lbs.	
		47.5	2136	250
		44.4	1998	251

F D DATA
RE YIELD

BU.	LBS.

ng	Diseases * Helminth	Cerco spora	White Tip	

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24 8
36 12
15 5
15
90

20 E
6
20 Long Mod
7
total 53
21 } mid BR.
21

13 } V latrine
19 –

127 sample
12 dept Bk pl.
138.
12 E (16
18 M. (24
8 l (10
10 Bremain 19
186 198

138
90
228

1943

Henry M. Beachell

1943 — *Calendar* — 1943

JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

APRIL

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

MAY

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

JUNE

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

JULY

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

AUGUST

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SEPTEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Printed in U. S. A.

Oscar — 57-F-14.
Richard — 63-F-14

Friday, JANUARY 1

1st Day—364 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, JANUARY 2

2nd Day—363 days to come

milled nursery samples
1-20.
Samples kept in store
room Federal Bldg.
for about 4-6 wks.

Completed germination
tests on seed in January

Sunday, JANUARY 3

3rd Day—362 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, JANUARY 4

4th Day—361 days to come

Milled nursery complete
22-43 and 61-85

Tuesday, JANUARY 5

5th Day—360 days to come

	Clear
	Cloudy
	Rain
	Snow

completed nice mount
for Capt. Boyt

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JANUARY 6

6th Day—359 days to come

checked over T. Patna at
Rei Grosus Assn. Wareham

Eddie Hogan got sample of
some for Brousard

Thursday, JANUARY 7

7th Day—358 days to come

	Clear
	Cloudy
	Rain
	Snow

milled nursery samples
86-110

	Clear
	Cloudy
	Rain
	Snow

Friday, JANUARY 8

8th Day—357 days to come

milled nursery samples
43-60 and 111-150

Saturday, JANUARY 9

9th Day—356 days to come

	Clear
	Cloudy
	Rain
	Snow

mailed nursery samples
151-159, got stone from
Bartlett

	Clear
	Cloudy
	Rain
	Snow

Sunday, JANUARY 10

10th Day—355 days to come

Monday, JANUARY 11

11th Day—354 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JANUARY 12

12th Day—353 days to come

Wednesday, JANUARY 13

13th Day—352 days to come

	Clear
	Cloudy
	Rain
	Snow

completed milling tests on
Adv. Mining samples 179-211

	Clear
	Cloudy
	Rain
	Snow

Thursday, JANUARY 14

14th Day—351 days to come

Completed mount showing milled samples of 1942 ada. nursery varieties

Friday, JANUARY 15

15th Day—350 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, JANUARY 16

16th Day—349 days to come

Sunday, JANUARY 17

17th Day—348 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, JANUARY 18

18th Day—347 days to come

Tuesday, JANUARY 19

19th Day—346 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JANUARY 20

20th Day—345 days to come

Thursday, JANUARY 21

21st Day—344 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, JANUARY 22

22nd Day—343 days to come

Saturday, JANUARY 23

23rd Day—342 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, JANUARY 24

24th Day—341 days to come

Monday, JANUARY 25

25th Day—340 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JANUARY 26

26th Day—339 days to come

Wednesday, JANUARY 27

	Clear
	Cloudy
	Rain
	Snow

27th Day—338 days to come

	Clear
	Cloudy
	Rain
	Snow

Thursday, JANUARY 28

28th Day—337 days to come

Friday, JANUARY 29

29th Day—336 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, JANUARY 30

30th Day—335 days to come

Sunday, JANUARY 31

31st Day—334 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, FEBRUARY 1

32nd Day—333 days to come

Tuesday, FEBRUARY 2

33rd Day—332 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, FEBRUARY 3

34th Day—331 days to come

Thursday, FEBRUARY 4

35th Day—330 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, FEBRUARY 5

36th Day—329 days to come

Saturday, FEBRUARY 6

37th Day—328 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, FEBRUARY 7

38th Day—327 days to come

Monday, FEBRUARY 8

39th Day—326 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, FEBRUARY 9

40th Day—325 days to come

Wednesday, FEBRUARY 10

41st Day—324 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, FEBRUARY 11

42nd Day—323 days to come

Friday, FEBRUARY 12

43rd Day—322 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, FEBRUARY 13

44th Day—321 days to come

Sunday, FEBRUARY 14

45th Day—320 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, FEBRUARY 15

46th Day—319 days to come

Tuesday, FEBRUARY 16

47th Day—318 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, FEBRUARY 17

48th Day—317 days to come

Thursday, FEBRUARY 18

49th Day—316 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, FEBRUARY 19

50th Day—315 days to come

Saturday, FEBRUARY 20

51st Day—314 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, FEBRUARY 21

52nd Day—313 days to come

Monday, FEBRUARY 22

53rd Day—312 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, FEBRUARY 23

54th Day—311 days to come

Wednesday, FEBRUARY 24

55th Day—310 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, FEBRUARY 25

56th Day—309 days to come

Friday, FEBRUARY 26

57th Day—308 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, FEBRUARY 27

58th Day—307 days to come

Sunday, FEBRUARY 28

59th Day—306 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, MARCH 1

60th Day—305 days to come

Tuesday, MARCH 2

61st Day—304 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, MARCH 3

62nd Day—303 days to come

Thursday, MARCH 4

63rd Day—302 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, MARCH 5

64th Day—301 days to come

Saturday, MARCH 6

65th Day—300 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, MARCH 7

66th Day—299 days to come

Monday, MARCH 8

67th Day—298 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, MARCH 9

68th Day—297 days to come

Wednesday, MARCH 10

69th Day—296 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, MARCH 11

70th Day—295 days to come

Friday, MARCH 12

71st Day—294 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, MARCH 13

72nd Day—293 days to come

Sunday, MARCH 14

73rd Day—292 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, MARCH 15

74th Day—291 days to come

Tuesday, MARCH 16

75th Day—290 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, MARCH 17

76th Day—289 days to come

Thursday, MARCH 18

77th Day—288 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, MARCH 19

78th Day—287 days to come

Saturday, MARCH 20

79th Day—286 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, MARCH 21

80th Day—285 days to come

Monday, MARCH 22

81st Day—284 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, MARCH 23

82nd Day—283 days to come

Wednesday, MARCH 24

83rd Day—282 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, MARCH 25

84th Day—281 days to come

Friday, MARCH 26

85th Day—280 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, MARCH 27

86th Day—279 days to come

Sunday, MARCH 28

87th Day—278 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, MARCH 29

88th Day—277 days to come

Tuesday, MARCH 30

89th Day—276 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Wednesday, MARCH 31

90th Day—275 days to come

Thursday, APRIL 1

91st Day—274 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Friday, APRIL 2

92nd Day—273 days to come

Kamrose 47 field sown by Mr. Beard was sown on either april 1 or 2. Was broadcast on a rather rough seed bed that was not too well prepared. no fertilizer used.

The size of the field was calculated to be about 17.0 acres. 374 steps east to west
220 steps north to south

Saturday, APRIL 3

93rd Day—272 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Sunday, APRIL 4

94th Day—271 days to come

Monday, APRIL 5

95th Day—270 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, APRIL 6

96th Day—269 days to come

Wednesday, APRIL 7

97th Day—268 days to come

	Clear
	Cloudy
	Rain
	Snow

Seeded field plot variety test.

	Clear
	Cloudy
	Rain
	Snow

Thursday, APRIL 8

98th Day—267 days to come

Friday, APRIL 9

99th Day—266 days to come

	Clear
	Cloudy
	Rain
	Snow

Started seeding breeding nursery.

	Clear
	Cloudy
	Rain
	Snow

Saturday, APRIL 10

100th Day—265 days to come

Completed seeding breeding nursery

Sunday, APRIL 11

101st Day—264 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, APRIL 12

102nd Day—263 days to come

Tuesday, APRIL 13

103rd Day—262 days to come

	Clear
	Cloudy
	Rain
	Snow

heeled north block of
yield nursery

	Clear
	Cloudy
	Rain
	Snow

Wednesday, APRIL 14

104th Day—261 days to come

Seeded middle block of
yield nursery

Thursday, APRIL 15

105th Day—260 days to come

	Clear
	Cloudy
	Rain
	Snow

Seeded south block of yield nursery.

Flushed field plot test and north block of breeding nursery.

	Clear
	Cloudy
X	Rain
	Snow

Friday, APRIL 16

106th Day—259 days to come

Started raining this morning
wetting down all my plots

Saturday, APRIL 17

107th Day—258 days to come

	Clear
	Cloudy
	Rain
	Snow

Heavy rain today flooding all rice blocks.

	Clear
	Cloudy
	Rain
	Snow

Sunday, APRIL 18

108th Day—257 days to come

cloudy most of day

Monday, APRIL 19

109th Day—256 days to come

	Clear
	Cloudy
	Rain
	Snow

field plots 1st emerged.
Turned off clear and cool

Field plots were fully emerged april 25.

Yield nursery and blocks north of same were 1st emerged april 21, and were fully emerged April 29.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, APRIL 20

110th Day—255 days to come

clear and still cool & dry.

Wednesday, APRIL 21

111th Day—254 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, APRIL 22

112th Day—253 days to come

Friday, APRIL 23

113th Day—252 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Saturday, APRIL 24

114th Day—251 days to come

Sunday, APRIL 25

115th Day—250 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, APRIL 26

116th Day—249 days to come

Seeded south nursery
acre.

Tullis matural

3856 — 4026

Jones sterility

Jones upland

Tuesday, APRIL 27

117th Day—248 days to come

	Clear
	Cloudy
	Rain
	Snow

Seeded south nursery ave
Freak nursery
Bulk hybrides

	Clear
	Cloudy
	Rain
	Snow

Wednesday, APRIL 28

118th Day—247 days to come

Disked on acre south of field nursery.

F2 populations

White tip test in 6 ft rows

Increase seedings of a number of selections

Jones relative survival expt

Drove to association in afternoon picking up some fertilizer, some seed rice and the tractor trailer

Thursday, APRIL 29

119th Day—246 days to come

	Clear
	Cloudy
	Rain
	Snow

get back of Texas Patna
marker.
drill
panicles of T. Patna
Tub of seed
Tools.

Trip to Cottonwood in
big truck in morning -
hauling Case tractor to field.
returned trailer to association
In afternoon hauled
a load of fertilizer and seed.

	Clear
	Cloudy
	Rain
	Snow

Friday, APRIL 30

120th Day—245 days to come

Trip to Cottonwood in Pick up truck

Tulie seeded R x 7 head row block on Drahman farm

flooded yield nursery and acre south of yield nursery on Friday and Saturday

Saturday, MAY 1

121st Day—244 days to come

	Clear
	Cloudy
	Rain
	Snow

Trip to Cottonwood in Pickup truck

	Clear
	Cloudy
	Rain
	Snow

Sunday, MAY 2

122nd Day—243 days to come

Trip to Cottonwood in big truck

Monday, MAY 3

123rd Day—242 days to come

	Clear
	Cloudy
	Rain
	Snow

Seeded Broccoli variety + fertilizer experiments west of Pine Island.

Trellis seeded increase blocks of 71, 86, + glut varieties, etc. Was watered by rain on May 7. This material 1st emerged May 12.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, MAY 4

124th Day—241 days to come

Wednesday, MAY 5

125th Day—240 days to come

	Clear
	Cloudy
	Rain
	Snow

Drove big truck to Cottonwood in PM to get Case tractor.

Returned 7 sacks 3-15-0 bone meal mix to assoc. as well as seed of Blue Rose and Texas Patria

Seed of BR-41 left at Cottonwood.

	Clear
	Cloudy
	Rain
	Snow

Thursday, MAY 6

126th Day—239 days to come

Friday, MAY 7

127th Day—238 days to come

	Clear
	Cloudy
	Rain
	Snow

field plots, and 2 north mucky acres were flooded by a rain of 2.79 and were not drained until May 13. all water down by May 14.

Material on south mucky acre was first emerged on May 5, fully emerged May 10 Was flooded April 30.

	Clear
	Cloudy
	Rain
	Snow

Saturday, MAY 8

128th Day—237 days to come

get lumber for field stakes for variety & fertilizer experiments on station and outlying tests.

Sunday, MAY 9

129th Day—236 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, MAY 10

130th Day—235 days to come

Worked on annual report and truck report.

Tuesday, MAY 11

131st Day—234 days to come

	Clear
	Cloudy
	Rain
	Snow

Put out wooden stakes on yield survey in P.M.

Pete Peterson of Freeport Sulphur Co. called

	Clear
	Cloudy
	Rain
	Snow

Wednesday, MAY 12

132nd Day—233 days to come

completed putting out wooden stakes on yield nursery.

Paraffined yield nursery labels

Thursday, MAY 13

133rd Day—232 days to come

	Clear
	Cloudy
	Rain
	Snow

Put out nursery labels on yield nursery.

Planted hybiscus, cantalope, and watermelon on lines around nursery.

	Clear
	Cloudy
	Rain
	Snow

Friday, MAY 14

134th Day—231 days to come

Transplanted all plants from greenhouse to field.

Cut two early wheat varieties

Saturday, MAY 15

135th Day—230 days to come

	Clear
	Cloudy
	Rain
	Snow

Started painting large field stakes

	Clear
	Cloudy
	Rain
	Snow

Sunday, MAY 16

136th Day—229 days to come

Monday, MAY 17

137th Day—228 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Tuesday, MAY 18

138th Day—227 days to come

Trip to Cottonwood with A. H.
Bought to inspect nice plots.

Wednesday, MAY 19

139th Day—226 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Thursday, MAY 20

140th Day—225 days to come

Seed field plots

Friday, MAY 21

141st Day—224 days to come

	Clear
	Cloudy
	Rain
	Snow

Hoed field plots

Heavy rain in PM.

all plots flooded by rain falling on 21 & 22, except Mud & early field plot blocks which were kept drained.

	Clear
	Cloudy
	Rain
	Snow

Saturday, MAY 22

142nd Day—223 days to come

Heavy rains today
Put out old stakes on field plots.

Continued painting field
plot stakes

Sunday, MAY 23

143rd Day—222 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, MAY 24

144th Day—221 days to come

worked on stakes for field plots

Tuesday, MAY 25

145th Day—220 days to come

	Clear
	Cloudy
	Rain
	Snow

1 - T. Patna (Trip)
2 - M27 - 4031H2-3 (Trip)
3 - BR-colch #2 (Trip
4 - BR-41 (Trip or Tetra)
5 - K x H (doubled hop seeds)
6 - BR - (Trip - '42 crop)
7 - T. Patna (large seeded from Pini Del.)
8 - 3715A38 (Trip?)
9 - 42-738 (3911B42) (Trip?)
10 - Steuli Hondmas (Jones) (Typical)
11 - 42-2671 (Trip)

Above material placed in germinator on July 5. to be transferred to cups & eventually to field.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, MAY 26

146th Day—219 days to come

Thursday, MAY 27

147th Day—218 days to come

	Clear
	Cloudy
	Rain
	Snow

Boed field plots and worked on stakes for field plots

	Clear
	Cloudy
	Rain
	Snow

Friday, MAY 28

148th Day—217 days to come

Hoed field plots

acre south of yield nursery
drained

Saturday, MAY 29

149th Day—216 days to come

	Clear
	Cloudy
	Rain
	Snow

Hoed field plots and sweet corn

	Clear
	Cloudy
	Rain
	Snow

Sunday, MAY 30

150th Day—215 days to come

Monday, MAY 31

151st Day—214 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on stakes for Brancard test at Pine Island.

Flooded early and midseason block of field plots

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JUNE 1

152nd Day—213 days to come

Put out stakes on Brousard variety and fertilizer test at Pine Island.

Bag painted stakes

Wednesday, JUNE 2

153rd Day—212 days to come

	Clear
	Cloudy
	Rain
	Snow

worked up inventory
for Rice Imp accen.

Boys painted stakes

	Clear
	Cloudy
	Rain
	Snow

Thursday, JUNE 3

154th Day—211 days to come

Started hoeing acre south of yield nursery, worked on annual rpt

Boys painted stakes in am hoed in pm.

Friday, JUNE 4

155th Day—210 days to come

	Clear
	Cloudy
	Rain
	Snow

Hoed acre south of yield nursery.

Hoed for Mr B. all day

	Clear
	Cloudy
	Rain
	Snow

Saturday, JUNE 5

156th Day—209 days to come

Hoed on acre south of yield nursery.

Started drawing yield nursery and late field plot block

Hoed for Hog in Am.

Sunday, JUNE 6

157th Day—208 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, JUNE 7

158th Day—207 days to come

yield nursery and late field plot block drained off by today but still very muddy

Completed hoeing acre south of yield nursery and put out stakes on same.

Tuesday, JUNE 8

159th Day—206 days to come

	Clear
	Cloudy
	Rain
	Snow

Completed putting out stakes on acre south of yield nursery, built levee between 1st & 2nd block and checked over yield nursery plots.

Flooded acre south of yield nursery

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JUNE 9

160th Day—205 days to come

Worked on annual report.

Returned galley proof of dwarf paper to Jodon.

Thursday, JUNE 10

161st Day—204 days to come

	Clear
	Cloudy
	Rain
	Snow

Started baling field mowing and trimming on same.

Drained mickelson and Early field plot blocks. all water drained off by midafternoon

Boys hoed for HMB in pm

	Clear
	Cloudy
	Rain
	Snow

Friday, JUNE 11

162nd Day—203 days to come

Hoed and trimmed on yield nursery plots.

Boys hoed all day

Saturday, JUNE 12

163rd Day—202 days to come

	Clear
	Cloudy
	Rain
	Snow

Hoed on breeding nursery in a.m. Started flooding yield nursery. All flooded by Monday June 14.

Worked at P.O. in pm.

	Clear
	Cloudy
	Rain
	Snow

Sunday, JUNE 13

164th Day—201 days to come

Monday, JUNE 14

165th Day—200 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on annual rpt in am. at P.O. in pm. visited Pine Gr. expt with Hagan + J.E. Broussard, Sr.

Flooded field plots today

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JUNE 15

166th Day—199 days to come

worked on annual report

Wednesday, JUNE 16

167th Day—198 days to come

	Clear
	Cloudy
	Rain
	Snow

Trip to Chambers and Liberty counties to put out stakes and to inspect cooperative fertilizer and variety tests.

	Clear
	Cloudy
	Rain
	Snow

Thursday, JUNE 17

168th Day—197 days to come

Sent off annual report and letter to WPB concerning ammunition

Friday, JUNE 18

169th Day—196 days to come

	Clear
	Cloudy
	Rain
	Snow

Looked over all yield nursery and field plots. Some were beginning to show considerable H.O. A few instances of leaf browning were observed and a small amount of white tip was observed on some of the susceptible varieties.

	Clear
	Cloudy
	Rain
	Snow

Saturday, JUNE 19

170th Day—195 days to come

One day annual leave

Sunday, JUNE 20

171st Day—194 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, JUNE 21

172nd Day—193 days to come

Worked on field note books, 2 north breeding nursery blocks were drained

Tuesday, JUNE 22

173rd Day—192 days to come

	Clear
	Cloudy
	Rain
	Snow

worked on field note books, Richard worked on Chromosome number Expt panicles

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JUNE 23

174th Day—191 days to come

I cut grass on lawns and trimmed Prince Island variety and fertilizer test in am. Worked on books in P.M.

Sent in truck report & letter to J.W.J.

Richard worked on Chem. mat. in P.M.

August 31, 194

B.F. GOODRICH STORES 8557
OF THE B. F. GOODRICH CO.
WILLOW & BROADWAY
BEAUMONT, TEXAS

M

U. S. Stat Dept. of Agriculture

To % H. M. Berchel - P.O. Box 2967 D
Beaumont, Texas

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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION
BUREAU OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING
Beltsville, Md.

Division of
Cereal Crops and Diseases

August 29, 1944

To: Field Representatives

From: B. B. Bayles, Principal Agronomist, Assistant to the Head Agronomist in Charge

Subject: First Aid Facilities

Our attention has recently been called by the Chief of the Bureau and the Acting Director of Personnel for the Department to the need and desirability of having First Aid facilities available at all points where we have employees. Kits are already available for use of many of our employees, but should be available to all.

Please let us know immediately if you do not have available for yourself and the men working under you a First Aid Kit so that we can get an idea of how many are needed by the Division. If facilities are furnished by the cooperating agency that satisfy your requirements, it is not necessary to carry one on your inventory.

First Aid Kits containing ten units are available on government contract at $3.37 in quantities of one to 49 and at $3.00 if purchased in quantities of 50 or more. It is possible that the number needed in the Division will approach 50, in which case it will be cheaper to purchase them in one quantity from this office and distribute them to the stations. Hence, we would like to have your answer soon.

Thursday, JUNE 24

175th Day—190 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys trimmed lawns in am.
Richard worked on Chicom Expt in pm
Worked on field notebooks.

	Clear
	Cloudy
	Rain
	Snow

Friday, JUNE 25

176th Day—189 days to come

Worked at P.O in Am.
called at Rui Grocers.
Eaton & Dunlop visited
Flatiron
gas from △ in pm &
worked on field note books

Saturday, JUNE 26

177th Day—188 days to come

	Clear
	Cloudy
	Rain
	Snow

Put out stakes on breeding nursery. Richard helped in am.

	Clear
	Cloudy
	Rain
	Snow

Sunday, JUNE 27

178th Day—187 days to come

Monday, JUNE 28

179th Day—186 days to come

	Clear
	Cloudy
	Rain
	Snow

Bays bed 2 north nursery blocks. Drained all of nursery (field plots, breeding rows and acre south of field plots)

Made out variety stakes for Cottonwood variety test

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JUNE 29

180th Day—185 days to come

Richard worked on Chrom Expts.
Trip to Cottonwood to
inspect fertilizer and variety tests
A-15 & A1-6 look very good but
A1-6 appears sl. better than A1-15
in 1st series at least. A1-3
looks better than any of others
A1-7 looks very much like
BK & BK-41, except possibly a
little darker green color. A1-15
& A1-6 both more tender & better
looking than BK & BK-41.

---

at Pine Island the same thing
was apparent with respect to A1-7,
A1-6 & A1-15, as compared to BK
Comm. BK, and BK-41.

made out remainder of stakes for field plot variety test and change stakes to west series.

Richard worked on Chrom. Expt.

June 29:
(Continued)
B2 915 A29 at Rome looked very good, had a V. good color and appeared to have made sufficient growth to produce a fair yield, was just going into the boot.
B522 A4 plot at Rome looked good. Had been soon very late but was growing off very well.

	Clear
	Cloudy
	Rain
	Snow

Thursday, JULY 1

182nd Day—183 days to come

Send check for gasoline for Rice Imp. Assn. to Mag. Pet. Sales Dept, P.O. Box 2550, Beaumont, Amount = $11.75

Richard completed Chrom Expt
Both boys shelled seed from seed room most of P.M.

Trip to Lovers night of 1st to attend annual meeting Lovers Div. Am. Rice Growers Assn.

Friday, JULY 2

183rd Day—182 days to come

	Clear
	Cloudy
	Rain
	Snow

attended annual meeting of
Brut division of Am. Rice Growers
assn
Continued cleaning out seed room
Watered 2 north blocks of breeding
nursery and early block of field
nursery.
Oscar worked for Hig for part
of the day.
Started germinating seed from
cold storage of 3722-A1-95.
Made trip to City in Am for
this seed and bought 1st-
aid kit.

	Clear
	Cloudy
	Rain
	Snow

Saturday, JULY 3

184th Day—181 days to come

all blocks on 2 nursery acres were partially flooded by rain falling on Friday and Saturday. Took pictures of field plots. Bonza work in Am. on seed rooms.

Sunday, JULY 4

185th Day—180 days to come

	Clear
	Cloudy
	Rain
	Snow

Clear
Cloudy
Rain
Snow

Monday, JULY 5

186th Day—179 days to come

Flooded all yield nursery blocks and breeding nursery blocks on 2 north acres.

Spring tooted narrow block on south of Hugin; acre prepared to seeding several late things.

Inoculated 120 rows from Breeding nursery with race 2, Cercospora oryzae between 8:05 pm and 9:15 pm. Weather was clear, warm

Boys did not work today

Placed Miscl. material in germinator. To be transfered to cups and eventually to field. See May 25 for list of same.

Tuesday, JULY 6

187th Day—178 days to come

	Clear
	Cloudy
	Rain
	Snow

7 2 panels of 3722 A1-93 from
1939 Crop germinated 90.890
out of 141 seeds, 128 germinated
and 13 failed to germinate.
This material placed in cups
today.
Took pictures of Pini Island
variety & fertilizer test today

Richard worked on 3722 A1-93
material & Ascar threshed F1's

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JULY 7

188th Day—177 days to come

Seeded rice block

Boys cut weeds for Hog and Beachell

Thursday, JULY 8

189th Day—176 days to come

	Clear
	Cloudy
	Rain
	Snow

Both bags cut made in mincery all day

	Clear
	Cloudy
	Rain
	Snow

Friday, JULY 9

190th Day—175 days to come

Oscar and Richard, cute
kiddies in nursery.

Saturday, JULY 10

191st Day—174 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys worked all day
cutting weeds

	Clear
	Cloudy
	Rain
	Snow

Sunday, JULY 11

192nd Day—173 days to come

Monday, JULY 12

193rd Day—172 days to come

	Clear
	Cloudy
	Rain
	Snow

Both boys cut weeds in nursery all day

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JULY 13

194th Day—171 days to come

Both boys cut weeds in nursery all day

Wednesday, JULY 14

195th Day—170 days to come

	Clear
	Cloudy
	Rain
	Snow

Richard didnt work

Oscar 1/2 day cutting weeds in money

	Clear
	Cloudy
	Rain
	Snow

Thursday, JULY 15

196th Day—169 days to come

no work

Friday, JULY 16

197th Day—168 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar bad leuce in pm.
worked for Hig in am

	Clear
	Cloudy
	Rain
	Snow

Saturday, JULY 17

198th Day—167 days to come

no work

Sunday, JULY 18

199th Day—166 days to come

	Clear
	Cloudy
	Rain
	Snow

Clear watered sorghum

	Clear
	Cloudy
	Rain
	Snow

Monday, JULY 19

200th Day—165 days to come

Oscar took heading rotis in AM.
Worked for Hig & Tullis from
10:30 on

Tuesday, JULY 20

201st Day—164 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar & Richard painted all day

	Clear
	Cloudy
	Rain
	Snow

Wednesday, JULY 21

202nd Day—163 days to come

Bo Worked for Hig in am.,
" painted lavatory in PM

Thursday, JULY 22

203rd Day—162 days to come

	Clear
	Cloudy
	Rain
	Snow

Richard - ½ day - painted

Oscar - Took note in am
Transplanted in PM

In field plot test on Station A1-15 is the tallest var in test. Is even taller and more vigorous than Mia. The R-7689 (5313A1-4) has a much darker color than Rxao, or T. Patria and is considerably taller. Is very good vegetatively at this time.

	Clear
	Cloudy
	Rain
	Snow

Friday, JULY 23

204th Day—161 days to come

Looked at Brassard variety and fertilizer test. A1-15 was still the tallest var. in test. A1-6 sl. shorter than A1-15. A1-7 was possibly a little taller than BK but appeared more vigorous. Comm. BK the poorest appearing var. in test. Very little difference in color among the varieties

Looked at Bland Ramose 47 field, sown april 1 or 2. Has a very good dark green color. Very poor stand on most of field except north west cut which was sown from sock of pure seed. Is in the heavy boot stage today

Both boys cut weeds in nursery all day.

George P. started mindwing birds today made trip around Dishmon + Matched forms with Capt Boot + Clyde Dishman. 3 hrs

Saturday, JULY 24

205th Day—160 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys worked all day.
Cut weeds in nursery in am.
and painted lavatory in pm.

RxF on Dickman and Mitchell
farms was making a good growth,
stooled out well, sturdy looking
plants, but not as tall as Mis,
stooled out better, however.

George – 3

	Clear
	Cloudy
	Rain
	Snow

Sunday, JULY 25

206th Day—159 days to come

George O. Lisk

Monday, JULY 26

207th Day—158 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar took notes in a. m.
Richard worked for Tullis and Hig.
Both boys cut wide in morning
in p. m.

visited Deshman Hunsucker
dinner in p. m. and do Rice Groves.
asm

George minded birds, (cut foot) 3

1

	Clear
	Cloudy
	Rain
	Snow

Tuesday, JULY 27

208th Day—157 days to come

Worked all day at P.O.
opened vacuum-atm.
containers, examined samples
and took samples for
germination tests on same.

Hurricane hit this
afternoon. No serious
damage.

Boys did not work.

2

Wednesday, JULY 28

209th Day—156 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys did not work.
Put storage expt
samples to germinate

	Clear
	Cloudy
	Rain
	Snow

Thursday, JULY 29

210th Day—155 days to come

Oscar worked for Hig in p.m. Minding birds in a.m.

Richard did not work.

Worked on mutation paper

Joe started minding birds in p.m. 3 hrs.

Friday, JULY 30

211th Day—154 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar dusted for Tullio and took notes remainder of day

Joe 6 hrs. worked for George

	Clear
	Cloudy
	Rain
	Snow

Saturday, JULY 31

212th Day—153 days to come

Law Capt Boyt and J E D.
about fertilizer recommendation
for 1944 Crop.

got shot-gun shells from
T. S. C.

Boys did not work today.

Joe — 6 hrs

Sunday, AUGUST 1

213th Day—152 days to come

	Clear
	Cloudy
	Rain
	Snow

Joe - 3 hrs.
george - 3 hrs

	Clear
	Cloudy
	Rain
	Snow

Monday, AUGUST 2

214th Day—151 days to come

Took notes on W.T. + L/Br.

Boys both worked, cut weeds and trimmed early yield plots, also sheared in midseason groups and early varieties in glutinous variety test.

George — 3 hrs

Joe — 3 hrs

Tuesday, AUGUST 3

215th Day—150 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar worked in field all day
Richard worked in A. M. only.

made trip to Pine Island, Chambers County & Liberty County experiments.

Joe - 3 hrs
George - 3 hrs

	Clear
	Cloudy
	Rain
	Snow

Wednesday, AUGUST 4

216th Day—149 days to come

Oscar cut red rice in A.M. Did not work in P.M.

Joe - 3 hrs
George - 3 hrs

Thursday, AUGUST 5

217th Day—148 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar Dit weeds in A.M.

Barbie called regarding bed nice cleaner.

Joe - 3 hrs
George - 3 hrs

Mosquitos very bad.

	Clear
	Cloudy
	Rain
	Snow

Friday, AUGUST 6

218th Day—147 days to come

Oscar dusted for Julius & cleaned up around office in A.M.

Worked in greenhouse for Hoy in P.M.

George - 3 hrs
Joe - 3 hrs

mosquitos very bad

Saturday, AUGUST 7

219th Day—146 days to come

	Clear
	Cloudy
	Rain
	Snow

Ascor did not work.

Worked on frame for Coldstorage vault carrier. Size 18" x 42"

make 18½" x 42½"

On Monday instead of August 7:

Bird minders did not work

Mosquitos very bad

	Clear
	Cloudy
	Rain
	Snow

Sunday, AUGUST 8

220th Day—145 days to come

George & his

Monday, AUGUST 9

221st Day—144 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar took notes in A.M.

Burned weeds on levee in P.M.

---

applied Mg. to Hig. white-tip plots which had been drained on 8/6, water off by 8/7. Still very damp and soggy on 8/9.

---

visited Wilbur Hill 7-acre field of early Resco. Made a number of selections. Also drove by Pine Island experiment and Hugh Long Texas Patna field.

Joe - 3 hrs - George - 3 hrs

Mosquitoes very bad)

	Clear
	Cloudy
	Rain
	Snow

Tuesday, AUGUST 10

222nd Day—143 days to come

Oscar cut weeds in A.M.
Did not work in P.M.

Fixed frame and caster on cold storage vault at Jefferson Warehouse

---

Cut weeds and grass on levees.

Joe - 3 hrs
George - 3 hrs

Wednesday, AUGUST 11

223rd Day—142 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar did not work in A.M.
Cut weeds in P.M.

Saw Boyt about off-type
panicles in Wittman
Texas Patna at Eagle Lake

Joe - 3 hrs.
George - 3 hrs.

	Clear
	Cloudy
	Rain
	Snow

Thursday, AUGUST 12

224th Day—141 days to come

Oscar and Richard both worked all day, cutting weeds from rice.

Hugh Long, Jr visited Station in PM, looked over nursery and field plots.

Joe. - 3 hrs.
George - 3 hrs

Friday, AUGUST 13

225th Day—140 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar and Richard cut weeds in nursery in AM.
Oscar took notes in P.M.
Richard rogued in field plots.

Looked over Dickman Texas Patna fields for off-types.

Joe 3 hrs.
George - 3 hrs. (last day?)

	Clear
	Cloudy
	Rain
	Snow

Saturday, AUGUST 14

226th Day—139 days to come

Oscar + Richard worked all day. Weeded in nursery and cut several varieties

---

Drained early field and nursery plot blocks

gas -3 hours

Sunday, AUGUST 15

227th Day—138 days to come

	Clear
	Cloudy
	Rain
	Snow

Joe — 3 hours

	Clear
	Cloudy
	Rain
	Snow

Monday, AUGUST 16

228th Day—137 days to come

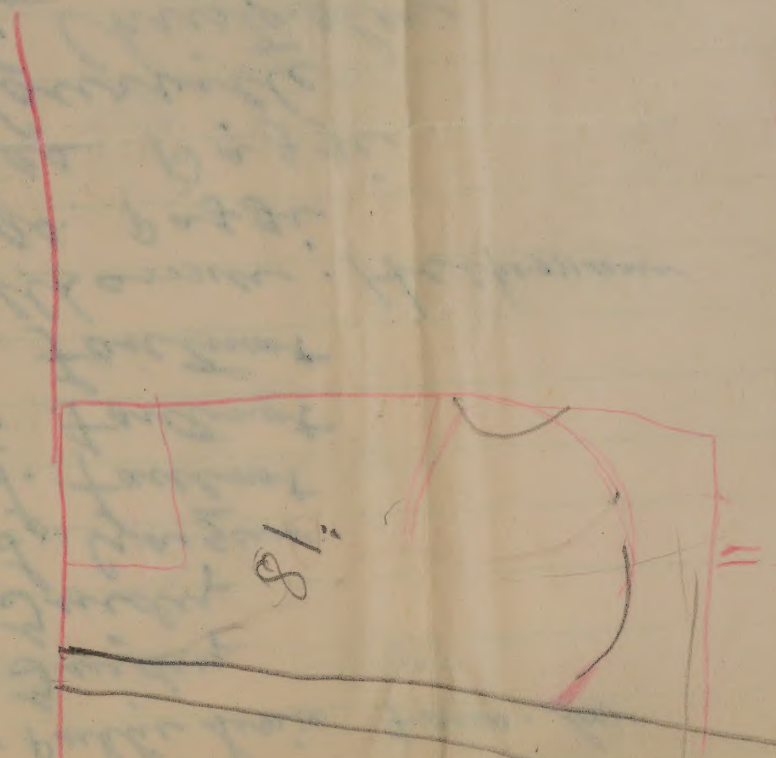
Oscar and Richard cut weeds in nursery and rogued. Sprayed Tullio material in A.M.
Oscar did not work in P.M.
Joe - 3 hours.

---

visited Dishman RxF field
Mitchell RxF field and Beard
Kamroo field

Dishman RxF fully headed, stooled out real well, looks very good
Mitchell RxF in full boot, not as good looking as Dishman field.
Beard Kamroo past fully head today. Looks good considering the conditions under which it is being grown

		S. [illegible] Gans	1564	Small
		J. S. Wallace - Gans	93	✓
	Put	J. S. Wallace - Gans	25	✓
	Put	La. Public Service Fans Co. Lock	1476	✓
217	Put	W. Gans	1252	✓
220	Put	La. Public Service Fans Co Kotz Lot	526	✓
222	Put	Wagnerpack Bros.	992	✓
225	Put	W. J. Hiot	937	✓
87	Put	L. Weigle	2306	✓
126	Put	C. Jamse	420	✓
127	Put	S. J. Hardee	2226	✓
134	Put	L. Manuel	981	✓
178	Put	Latta - Sandifer	1018	✓
182	Put	D. Melancon	1112	✓
182 XX	Put	D. Melancon	4	✓
194	Put	Bassett - Fauteuat	483	✓
228	Put	Rush Craigen	375	✓
229	Put	La. Public Service Fans Co.	3614	✓
229	Put X	La. Public Service Fans. Co.	107	✓
231	Put	F. Guidry	162	✓
231 X	Put	F. Guidry	13	✓
233	Put	H. L. Gaugen	436	✓
236	Put	L. L. Fauteuat	1021	Large
237	Put	W. Fauteuat	627	Large
237 X	Put	W. Fauteuat	8	✓
238	Put	Shellhamer. Heckemann	762	Small
242	Put	Chas. Paggi	712	✓
242 =	Put	Chas. Paggi	21	✓
243	Put	G. Courville	291	✓
249	Put	J. W. Christopher	55	✓
52	Put	Latta - Willis	386	✓
53	Put	Latta - Willis	94	✓
53 =	Put	Latta - Willis	51	✓
254	Put	N. V. Hebert	720	✓
102	Put	V. Haddad	1822	✓
223	Put	A. J. Cannon	649	✓
213	Put	J. J. Brown	52	Bbls.



Spouts — 12
Tops for spouts — 8
flute feed complete — 1
End of fert box — 1
small platint
Spring — 2
bed hinge — 8 — 143 (M)

46
111
34
130

2) 570
24
17
16
10

7
8
25 5 1/4
2 1/2 13
9 1/4
27 1/2 3
5 30 1/2
28
2 1/2

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

DIVISION OF
CEREAL CROPS AND DISEASES

REPLY TO

August 9 1944

Dear Hank:

The dusts are in the attic near the front chimney. The 2 I am using are already mixed and all the boys have to do is take them out of the sacks. One is labeled Sulphur the other Copper Sulphur on the outside of the bag.

We are having slightly cooler weather than when I arrived. There has been some cloudiness and we had a very small shower out here but a fair rain in town day before yesterday.

Looks as though you had a bad fire down there. We heard some about it on the radio and Mary sent me some clippings about it.

What do you hear from J. W.? I had a letter from Dr. Martin and he is going to get out here in time so that I can get back to Beaumont by Sept. 1. If this rain keeps up it may interfere with the work Dr. Norman wanted to get done down there.

Sincerely,

Edgar

Edgar

August 14, 1944

Texas Agr. Substation No. 4
Beaumont, Texas

Mr. H. S. Smith
Cereal Crops and Diseases
Plant Industry Station
Beltsville, Maryland

Dear Mr. Smith:

Enclosed find voucher in favor of Corpus Christi Hardware Company, Corpus Christi, Texas, for $27.16 covering cost of ammunition ordered on June 9. This is all of the vouchers which are to be submitted on 1944 fiscal year allotment.

Also enclosed is Govt bill of lading sent to the above company when ammuntion was ordered. When ammunition was not shipped until after July 1, I asked that they return this bill of lading and one of the new forms was sent. I did not know how this should be disposed of so am sending it to you.

Very truly yours,

H. M. Beachell
Associate Agronomist

Encl-

August 14, 1944

Texas Agr. Substation No. 4
Beaumont, Texas

Mr. H. S. Smith
Cereal Crops and Diseases
Plant Industry Station
Beltsville, Maryland

Dear Mr. Smith:

Enclosed find voucher in favor of Corpus Christi Hardware Company, Corpus Christi, Texas, for $27.15 covering cost of ammunition ordered on June 9. This is all of the vouchers which are to be submitted on 1944 fiscal year allotment.

Also enclosed is Govt bill of lading sent to the above company when ammunition was ordered. When ammunition was not shipped until after July 1, I asked that they return this bill of lading and one of the new forms was sent. I did not know how this should be disposed of so am sending it to you.

Very truly yours,

H. M. Beachell
Associate Agronomist

Encl-

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

DIVISION OF
CEREAL CROPS AND DISEASES

REPLY TO

August 12,1944

Dear Hank:

Dr. H. R. DeRose will arrive in Beaumont on about Aug. 21. I have advised Dr. Norman that on DeRose's arrival he should get in touch with you and he will want to use the lab in the preparation of solutions etc. They plan to use some sulphamate so he can use some that I have there and you can show him the spreader which he can dilute to the proper strength for the amounts of solution he wants to use.

We had a couple of showers here yesterday but as far as I can see they did very little good and only increased the discomfort. It is, or I should say was, 102 just after dinner. It usually reaches a maximum at about 4 P.M.

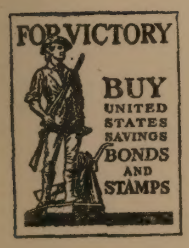
There seems to be less charcoal-rot than there was last year but I guess there is nothing I can do about it.

Best regards,

Sincerely,

Edgar

Edgar C. Tullis



Tuesday, AUGUST 17

229th Day—136 days to come

	Clear
	Cloudy
	Rain
	Snow

Jordan and Chilton visited Station today

Oscar and Richard cut weeds in nursery.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, AUGUST 18

230th Day—135 days to come

Oscar and Richard worked all day. Oscar took notes out of time spent logging.

Rained in PM

Thursday, AUGUST 19

231st Day—134 days to come

	Clear
	Cloudy
	Rain
	Snow

Richard worked all day
Oscar did not work.
Rogued nic in AM
Trip to look at Cox BR at
home and W. Hebert Zenith
which was being combined.
Same C.O. showing in
fully ripe Hebert Zenith

	Clear
	Cloudy
	Rain
	Snow

Friday, AUGUST 20

232nd Day—133 days to come

Took notes in A.M.
Trip to look at new
IHC self propelled
combine working in Bill
Watkins Zenith field.
also trip to La Belle
with J. E. Bromand.

Oscar did not work

Saturday, AUGUST 21

233rd Day—132 days to come

	Clear
	Cloudy
	Rain
	Snow

" " " Richard worked
in A.M. only
Oscar did not work
Richard rogued redwic.

	Clear
	Cloudy
	Rain
	Snow

Sunday, AUGUST 22

234th Day—131 days to come

Monday, AUGUST 23

235th Day—130 days to come

	Clear
	Cloudy
	Rain
	Snow

Cut early varieties in nursery plots in P.M. Took notes in A.M.

Both boys worked all day

Oscar took notes in A.M.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, AUGUST 24

236th Day—129 days to come

Oscar and Richard made a cross
Made crosses in a.m.,
cut early field plots in P.M.
also made trip to Rome to
see IHC combine work
was harvesting CO x BK field.
Was too green for combining.

Wednesday, AUGUST 25

237th Day—128 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys both worked all day
Finished cutting field plots
in A. M. Tied up early
many bundles cut 8/23 in
P. M.

	Clear
	Cloudy
	Rain
	Snow

Thursday, AUGUST 26

238th Day—127 days to come

Boys made crosses in a.m.

Tied up and shocked field plots cut on 8/24+25.

Friday, AUGUST 27

239th Day—126 days to come

	Clear
	Cloudy
	Rain
	Snow

Made crosses in a. m. Richard rogued red rice, Oscar took notes. In P. M. boys cut guard rows of early sinisenyplots.

	Clear
	Cloudy
	Rain
	Snow

Saturday, AUGUST 28

240th Day—125 days to come

Worked on annual report, Oscar worked Richard did not

Sunday, AUGUST 29

241st Day—124 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, AUGUST 30

242nd Day—123 days to come

Oscar took notes in A.M.
Richard rogued red rice
Both boys cut leeves.

Worked on annual report
all day.

Tuesday, AUGUST 31

243rd Day—122 days to come

	Clear
	Cloudy
	Rain
	Snow

Joe worked 137½ hours at
30¢ hr. minding birds
Was paid 33.00 warrant
8.25 (from George check)

Total 41.25

Pd. George 10.80
warrant was for 34.80
10.80
24.00
8.25 pd Joe

Pay to Joe. 15.75

Made cranes in A.M.
Took notes in P.M.

Boys worked on lines

	Clear
	Cloudy
	Rain
	Snow

Wednesday, SEPTEMBER 1

244th Day—121 days to come

Made crates in AM

Rainy.

In PM rogued Dishman

R x F.

Oscar and Richard worked all day. cut weeds on levee in AM. — Went to Dishman farm in PM.

Thursday, SEPTEMBER 2

245th Day—120 days to come

	Clear
	Cloudy
	Rain
	Snow

scan and Richard
cut remainder of varieties in
early nursery plots. Also
cut Prelude, 3722A1-93 and
2916A34 all of the field plots

In AM. made trip to city.
Stopped at Bent Rice; Rice
growers; and P.O.

Made out vouchers, etc.
in PM.

	Clear
	Cloudy
	Rain
	Snow

Friday, SEPTEMBER 3

246th Day—119 days to come

Trip to Cottonwood in PM with Capt Boyt, BK-41 about fully beaded, T. Patna in heavy boot with an occasional head out.

Oscar and Richard both worked all day. Made cross in AM and started tying up remainder of early varieties of nursery.

In PM finished tying nursery bundles and hauled them to drying shed. Tied field plots cut on Thursday, started trimming nursery yield plots.

Drained Midseason long-grain block.

Saturday, SEPTEMBER 4

247th Day—118 days to come

	Clear
	Cloudy
	Rain
	Snow

Capt Boyt visited Station in AM — to see various nursery and field plot tests, also demonstration on how to make a cross

Worked in Office in PM

Oscar and Richard did not work

	Clear
	Cloudy
	Rain
	Snow

Sunday, SEPTEMBER 5

248th Day—117 days to come

Monday, SEPTEMBER 6

249th Day—116 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys did not work

	Clear
	Cloudy
	Rain
	Snow

Tuesday, SEPTEMBER 7

250th Day—115 days to come

Trip to Cottonwood to
rogue T.P. adjustment

Wednesday, SEPTEMBER 8

251st Day—114 days to come

	Clear
	Cloudy
	Rain
	Snow

Drained Mulawson field plot block.

Cut Calow in field plots, in A.M.

In P.M. cut Jones Uplands and early grands.

	Clear
	Cloudy
	Rain
	Snow

Thursday, SEPTEMBER 9

252nd Day—113 days to come

Finished cutting early grass
started cutting midseason-
long-grain group all day.

Trip to Nome; Dishman
R x F and Pini Zoland test
with Jones.

Friday, SEPTEMBER 10

253rd Day—112 days to come

	Clear
	Cloudy
	Rain
	Snow

Finished cutting midseason long-grain group (early var.) measured on midseason-medium-grain group.

---

all yield bundles cut on Thurs. & Friday sorted and put in drying shed.

Thurs & Friday were both very dry days.

Trip to Assn. Hedgpeth Trellis, Jones, Hig.

	Clear
	Cloudy
	Rain
	Snow

Saturday, SEPTEMBER 11

254th Day—111 days to come

Trip to Cottonwood to complete roguing T. Petra.

Rogues consisted of an occasional tall plant and a very few red nice plants. Pure seed block of 2.+ acres was practically free of all mixtures.

Drained BK-41 at Cottonwood

Dickman cut RxF field.

Was sown April 30. or 134 days from seeding to harvest.

Sunday, SEPTEMBER 12

255th Day—110 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, SEPTEMBER 13

256th Day—109 days to come

Boys did not work

Trip to Dishman diner in P.M. Fixed up wet-bulb thermometer for Dishman.

Tuesday, SEPTEMBER 14

257th Day—108 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys worked —
Wyche and Hig. cut Chambers
Co. test. Hunter cut. on
field plots; Boys worked
on field nursery. Remainder
of early grain and started
mandr. & med long-grain group.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, SEPTEMBER 15

258th Day—107 days to come

Boys worked
John and Hunter cut
field plots.
Cleared

Thursday, SEPTEMBER 16

259th Day—106 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys worked.

Drained midseason med-gr
groups of yield nursery
Richard worked for Hig in
PM and Oscar helped
harvest a number of
glutinous rice from
yield nursery
also shocked field plots cut on 14th

Boys worked for Hig
Hauled in bundles cut previous
day.

Helped John on thresher

	Clear
	Cloudy
	Rain
	Snow

Friday, SEPTEMBER 17

260th Day—105 days to come

Worked on threshers all of day.

Saw Mrs. Jones at Hotel Friday night.

Saturday, SEPTEMBER 18

261st Day—104 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on thresher in A.M.
Harvested EP x BP sels in PM
also harvested F_1 plants
and crossed seeds.

Drained late block of
field plot test.

Bad weather Thursday
through Sunday from
hurricane. Sun shown
for a while Saturday afternoon

	Clear
	Cloudy
	Rain
	Snow

Sunday, SEPTEMBER 19

262nd Day—103 days to come

Monday, SEPTEMBER 20

263rd Day—102 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on thresher in A.M.
Took notes in P.M. checked
plots which had laid
on stubble through storm.

1st series	2nd series
Kra [illegible]	Acidia
Kamrose-34	CI 6796
Kamrose-47	Ca X K
Acadia	Kamrose-34
Kikrose	Kamrose-47.

Wm, [illegible] Oscar & Richard cut
remainder of varieties from [illegible]
Midseason - long-grain groups.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, SEPTEMBER 21

264th Day—101 days to come

Worked on Thresher in A.M.
Went to Cottonwood in P.M
with Truelio, Watkins, and
Higinbotham.
Visited Craigan field on
return trip. Aff-type rice
was red rice

Boys cut remaining varieties in
glutinous and short-grain tests,
except #253 and #266.

Wednesday, SEPTEMBER 22

265th Day—100 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys worked -
measured lit of Mid mid-gr.
block in A. M.
Boys cut several varieties from
this block and tied up rice
cut on Monday.

John hauled R x F from
Dickman farm

	Clear
	Cloudy
	Rain
	Snow

Thursday, SEPTEMBER 23

266th Day—99 days to come

Boys worked in PM.

John, etc. cut T. Patna sel. in field plots, also bulk-hybrid plot. Shorted varieties cut on Sept. 22. Also cut 3625a in increase block as well as 4117A bulk plot.

Made selections in breeding nursery. Also threshed K x F from Dishman farm

Friday, SEPTEMBER 24

267th Day—98 days to come

	Clear
	Cloudy
	Rain
	Snow

Boys cut remainder of varieties from Uni-Mid-medium-green group and sels. from duplicate plots (51-164).

Made sels. from breeding nursery.

	Clear
	Cloudy
	Rain
	Snow

Saturday, SEPTEMBER 25

268th Day—97 days to come

Boys worked all day. Trimmed late block in A.M. cut Pine Island test in P.M.

cut single rows from breeding nursery in A.M.

Shocked T Patna sel. in field plot test.

Sunday, SEPTEMBER 26

269th Day—96 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, SEPTEMBER 27

270th Day—95 days to come

Measured lit. of remaining plots in nursery and field plots

Bags cut guard of varities 101-121 not cut previously and cut several varities in late nursery group

Tuesday, SEPTEMBER 28

271st Day—94 days to come

	Clear
	Cloudy
	Rain
	Snow

Trip to Brut. to Comet Rice mill and Rice Growers Assn. re mill cleaner for Dupgasm.

In P.M. drained T. Patna at Cottonwood with Higginbottom.

Boys cut T. Patna from field plots, trimmed Higinbottom white-tip test.

Drained late field nursery block.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, SEPTEMBER 29

272nd Day—93 days to come

Made sale in a.m. and part
7 P.M. Went to Rio Grove
for trailer to haul tractor to
cottonwood.
got 150# twine and hub
caps for tractor

Boys worked in P.M. part-time
for Hig in greenhouse and
remainder in field tying
up bundles cut previously (Monday)
cut RX7689 in field plots

Thursday, SEPTEMBER 30

273rd Day—92 days to come

	Clear
	Cloudy
	Rain
	Snow

Went to Cottonwood to cut BR-41
Hauled tractor to Cottonwood.

Boys worked in P.M. cut a
number of varieties in group 122-150
and also tied up and shocked
T. Patna and R x 7689 in fieldplots.

	Clear
	Cloudy
	Rain
	Snow

Friday, OCTOBER 1

274th Day—91 days to come

Oscar worked 1½ hours. Richard cut on big white-tip tiet.

Completed cutting BR-41 at cottonwood. - Hauled Case tractor home, also hauled Herbert Cole tractor from Mitchell farm to Fred Zook farm near Chuck.

Saturday, OCTOBER 2

275th Day—90 days to come

	Clear
	Cloudy
	Rain
	Snow

rain did not work.
Richard finished his white-tips test and tied up bundles cut on Thursday and hauled same to shed.

Homested a number of single cows from breeding nursery

	Clear
	Cloudy
	Rain
	Snow

Sunday, OCTOBER 3

276th Day—89 days to come

Monday, OCTOBER 4

277th Day—88 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar did not work.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, OCTOBER 5

278th Day—87 days to come

Threshed early field plots

Oscar & Richard carried to drying shed Hij's white-top test & bundles & guards from 122-150,

Wednesday, OCTOBER 6

279th Day—86 days to come

	Clear
	Cloudy
	Rain
	Snow

Finished mid + late
field plots.

Oscar + Richard cut
Trellis spraying except
also threshed glut 3625a
+ 4117A bulk

	Clear
	Cloudy
	Rain
	Snow

Thursday, OCTOBER 7

280th Day—85 days to come

Worked on thresher in A.M.
got 2 x 4's for drying shed.

Boys cut on Tullis matrub
and fixed 2 x 4's.

Started smoking cks. from
bulked-hybrid plots

Friday, OCTOBER 8

281st Day—84 days to come

	Clear
	Cloudy
	Rain
	Snow

Made sels. from bulk-
hybrid. material.

Boys cut on Tulip
Percaspa yield experiment

	Clear
	Cloudy
	Rain
	Snow

Saturday, OCTOBER 9

282nd Day—83 days to come

Made sels. from bulk-
hybrid material.
Boys completed Tulbs C.O.
yield expt + Phys. brown test
sorted and hauled in bund

Sunday, OCTOBER 10

283rd Day—82 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, OCTOBER 11

284th Day—81 days to come

Made sels. from ~~both hybrid~~ F_2 hybrid populations.

Bags cut late ~~fieldo~~ nursery field plots.

Tuesday, OCTOBER 12

285th Day—80 days to come

	Clear
	Cloudy
	Rain
	Snow

Hauled Case tractor to Cottonwood and cut pure-seed block of T. Patna with binder

Boys cut guards from late field plots

	Clear
	Cloudy
	Rain
	Snow

Wednesday, OCTOBER 13

286th Day—79 days to come

Weighed up field plot variety test. Rain during night of 12 and morning of 13th made it impossible to thresh. Boys arranged bundles in drying shed

Cut 2nd series of Pine Island variety test and hauled some to Station.

Thursday, OCTOBER 14

287th Day—78 days to come

	Clear
	Cloudy
	Rain
	Snow

cut on T. Patton at cottonwood

Boys hauled in ~~wd~~ bundles from late nursery. Started cutting ~~plots~~ single and triplicated plots from late nursery block

	Clear
	Cloudy
	Rain
	Snow

Friday, OCTOBER 15

288th Day—77 days to come

cut on T. Patna at cottonwood

Boys cut Triplicate and single plots from lab block & nursery. also cut increase blocks

Saturday, OCTOBER 16

289th Day—76 days to come

	Clear
	Cloudy
	Rain
	Snow

Finished shocking T. Patna at Cottonwood and started threshing BR-41, Hauled thresha to cottonwood
Oscar + Richard worked at cottonwood.

	Clear
	Cloudy
	Rain
	Snow

Sunday, OCTOBER 17

290th Day—75 days to come

Threshed on Bk-41 at cottonwood. Oscar helped. Broke thresher in P.M. Richard did not work.

Monday, OCTOBER 18

291st Day—74 days to come

	Clear
	Cloudy
	Rain
	Snow

Thinned on BK-41 at cottonwood

	Clear
	Cloudy
	Rain
	Snow

Tuesday, OCTOBER 19

292nd Day—73 days to come

Fr. Threshed T. Pat. fert. test at Cottonwood and hauled tractor and thresher home.

Stocked up increase plots of S x No. 1 R x N and (K x H) x BK + BPal cut on 15th

Wednesday, OCTOBER 20

293rd Day—72 days to come

	Clear
	Cloudy
	Rain
	Snow

made silo in freak mixing
and hauled in bundles cut on
14th and 15th

	Clear
	Cloudy
	Rain
	Snow

Thursday, OCTOBER 21

294th Day—71 days to come

made sales in money
3700 – 4000,

Friday, OCTOBER 22

295th Day—70 days to come

	Clear
	Cloudy
	Rain
	Snow

Made late sels. 2500 through 3000.

Wyche started seeding oat variety test

	Clear
	Cloudy
	Rain
	Snow

Saturday, OCTOBER 23

296th Day—69 days to come

Seeded Bulk-plots of wheat on north & south sides of oat-variety test.

Short rows 18" apart sown north of test on edge of road-way are selc. from bulk plot made on April 24, 1943 from bulk-plot. Are early selc.

0 = guard (bulk
1 = ck (")
5 = ck #2
10 = ck #3
15 = ck #4
20 = ck #5
25 = ck #6
30 = ck #3
34 = ck #4
35 = guard #4

#18 = Greenwich Seed

Sunday, OCTOBER 24

297th Day—68 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, OCTOBER 25

298th Day—67 days to come

Made selections in breeding survey made sels. 3000 and above also sels in 5100 groups Tets, etc,

Tuesday, OCTOBER 26

299th Day—66 days to come

	Clear
	Cloudy
	Rain
	Snow

Made sale in morning and started cutting late varieties in late morning grapes

	Clear
	Cloudy
	Rain
	Snow

Wednesday, OCTOBER 27

300th Day—65 days to come

Completed cutting varieties in late field running block and cut running with binder

Thursday, OCTOBER 28

301st Day—64 days to come

	Clear
	Cloudy
	Rain
	Snow

Trip to asen. in A. M.
concerning monitor rec
cleaner

Worked on foundation
for monitor rec cleaner

	Clear
	Cloudy
	Rain
	Snow

Friday, OCTOBER 29

302nd Day—63 days to come

Set up Monitor cleaner in A. M.

Thrashed Pine Island variety test and seed increase plots in P. M. Hauled late cut varieties to drying shed

Saturday, OCTOBER 30

303rd Day—62 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on wiclaner and fumigated large granary.

	Clear
	Cloudy
	Rain
	Snow

Sunday, OCTOBER 31

304th Day—61 days to come

~~Finished Stacks, Trees~~

~~Patrol at Cottonwood~~

Monday, NOVEMBER 1

305th Day—60 days to come

	Clear
	Cloudy
	Rain
	Snow

Threshed 81 sacks Texas Patria at Cottonwood

	Clear
	Cloudy
	Rain
	Snow

Tuesday, NOVEMBER 2

306th Day—59 days to come

Worked in machine shed getting nursery thresher set up.

Wednesday, NOVEMBER 3

307th Day—58 days to come

	Clear
	Cloudy
	Rain
	Snow

Trip to cottonwood in P.M. to reshock T. Patna and clean same.

In A.M. saw Carter and Engler from Arkansas and got nursery thresher ready for threshing.

	Clear
	Cloudy
	Rain
	Snow

Thursday, NOVEMBER 4

308th Day—57 days to come

Thinned many plots

Friday, NOVEMBER 5

309th Day—56 days to come

	Clear
	Cloudy
	Rain
	Snow

Thinned nursery plots

	Clear
	Cloudy
	Rain
	Snow

Saturday, NOVEMBER 6

310th Day—55 days to come

Threshed nursery plots in am. collected F_1 plants seed in P.M.

Fumigated nursery samples already threshed.

Sunday, NOVEMBER 7

311th Day—54 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, NOVEMBER 8

312th Day—53 days to come

Finished Primary Plots in P.M.

Tuesday, NOVEMBER 9

313th Day—52 days to come

	Clear
	Cloudy
	Rain
	Snow

I finished nursery Plots all day.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, NOVEMBER 10

314th Day—51 days to come

Started threshing Cottonwood T. Patna crop. Hegnlotten went to Cottonwood,

Sorted nursery material in sand room in A. M. Took physical exam for draft in P.M. Remainder of PM spent at Assn. Warehouse.

Shepard hauled in 107 bags T. Patna

Thursday, NOVEMBER 11

315th Day—50 days to come

	Clear
	Cloudy
	Rain
	Snow

Visited Dickman drier in a.m.
with men from College Station
(Smith, McGee, Bentley, Mothersole etc.)
also met with Cap Boyt regarding
cooperative work.

2n PM trip to cottonwood
with Shepherd hauling back
remainder of T. Patna seed rice
(35 bags)

81
07
35
14 (by Hog)

37 bags total.

	Clear
	Cloudy
	Rain
	Snow

Friday, NOVEMBER 12

316th Day—49 days to come

Nursery threshing all day

Saturday, NOVEMBER 13

317th Day—48 days to come

	Clear
	Cloudy
	Rain
	Snow

Trip to Fred Koch farm in A.M. to see John Deere Combines. Farmer from L.S.U. engineering dept. visited station.

In P.M. completed nursery threshing.

	Clear
	Cloudy
	Rain
	Snow

Sunday, NOVEMBER 14

318th Day—47 days to come

Monday, NOVEMBER 15

319th Day—46 days to come

	Clear
	Cloudy
	Rain
	Snow

In am. trip to Tyssell-Corbett
Price re land for 1944 seed crop.
In PM inspected same.
also worked on yield data.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, NOVEMBER 16

320th Day—45 days to come

Worked on yield data in A.M.

Wednesday, NOVEMBER 17

321st Day—44 days to come

	Clear
	Cloudy
	Rain
	Snow

Dr Dunlap visited station
Trip to Steinhagen rice
mill for perforated
metal for monitor.
Worked on yield data

	Clear
	Cloudy
	Rain
	Snow

Thursday, NOVEMBER 18

322nd Day—43 days to come

Worked on monitor

trip to Comet Rice mill

Friday, NOVEMBER 19

323rd Day—42 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on Monitor rice cleaner.

Inspection trip on Tyrell combust farm.

	Clear
	Cloudy
	Rain
	Snow

Saturday, NOVEMBER 20

324th Day—41 days to come

Worked on Monitor, in A. M.
Drove to P. Ds. to look at Dr.
Hoot landing P. M. also
drove to Fred Zoch farm to
see John Deere combine work.
Harvested 3722 A1-93 plants
in field

Oscar worked all day.
8 hrs.

Sunday, NOVEMBER 21

325th Day—40 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, NOVEMBER 22

326th Day—39 days to come

Worked on Monitor rice
cleaner all day

Tuesday, NOVEMBER 23

327th Day—38 days to come

	Clear
	Cloudy
	Rain
	Snow

Brought in transplants from nursery to greenhouse in a. m.

Worked on Monitor in P. M.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, NOVEMBER 24

328th Day—37 days to come

worked on Monitor all day.

Thursday, NOVEMBER 25

329th Day—36 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar R. Davis, Jr. – 7.5 hrs.
cleaned rough ice
samples.

Made spout for cleaning
nursery sample.

	Clear
	Cloudy
	Rain
	Snow

Friday, NOVEMBER 26

330th Day—35 days to come

Fumigated 2nd batch of nursery samples.

Oscar R. Davis, Jr.
worked 8 hrs.

Saturday, NOVEMBER 27

331st Day—34 days to come

	Clear
	Cloudy
	Rain
	Snow

Cleaned nic samples for
J. W. Jones

	Clear
	Cloudy
	Rain
	Snow

Sunday, NOVEMBER 28

332nd Day—33 days to come

Monday, NOVEMBER 29

333rd Day—32 days to come

	Clear
	Cloudy
	Rain
	Snow

Cleaned rice samples (25 lb.) of Rexoro, BK, + Calro for J. W. J.

Took truck to Shotys garage in aom.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, NOVEMBER 30

334th Day—31 days to come

Wednesday, DECEMBER 1

335th Day—30 days to come

	Clear
	Cloudy
	Rain
	Snow

Cleaning Texas Patna
seed rice with monitor.

	Clear
	Cloudy
	Rain
	Snow

Thursday, DECEMBER 2

336th Day—29 days to come

Sick leave

Friday, DECEMBER 3

337th Day—28 days to come

	Clear
	Cloudy
	Rain
	Snow

Sick leave

	Clear
	Cloudy
	Rain
	Snow

Saturday, DECEMBER 4

338th Day—27 days to come

Sick leave

Sunday, DECEMBER 5

339th Day—26 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, DECEMBER 6

340th Day—25 days to come

Cleaning Texas Patna and BR-41 seed rice on monitor

Tuesday, DECEMBER 7

341st Day—24 days to come

	Clear
	Cloudy
	Rain
	Snow

Trip to Orange re
Van Brunt nice drill.
2n P.M. sorted panicle
selection material in
seed-room.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, DECEMBER 8

342nd Day—23 days to come

Worked in office in a.m.
Trip to Assn. & Courthouse
in P.M.

Thursday, DECEMBER 9

343rd Day—22 days to come

	Clear
	Cloudy
	Rain
	Snow

Trip to Orange in P.M.
after Van Brunt rec drill

	Clear
	Cloudy
	Rain
	Snow

Friday, DECEMBER 10

344th Day—21 days to come

Worked on stored-grain paper.

Saturday, DECEMBER 11

345th Day—20 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on mutation paper.

Oscar cleaned new sample. 8 hrs.

	Clear
	Cloudy
	Rain
	Snow

Sunday, DECEMBER 12

346th Day—19 days to come

Monday, DECEMBER 13

347th Day—18 days to come

	Clear
	Cloudy
	Rain
	Snow

assembled Van Brunt
rice drill in A. M.

Fumigated rice samples
in P. M. Worked on
mutation paper.

	Clear
	Cloudy
	Rain
	Snow

Tuesday, DECEMBER 14

348th Day—17 days to come

Mr. Claude Byrd
american Cyanamid
Co. called at Station.
discussed possibilities of
cooperative work. Trip to
Rice Growers. Aven in PM
with Mr. Byrd.

Wednesday, DECEMBER 15

	Clear
	Cloudy
	Rain
	Snow

349th Day—16 days to come

Worked on mutation paper all day.
Sent same to J. W. Jones.

	Clear
	Cloudy
	Rain
	Snow

Thursday, DECEMBER 16

350th Day—15 days to come

Worked on annual report
Trip to China to see
See Fontenot.

W. Hebert hauled away
48 sacks T. Patna @ 9.00 per bbl

Friday, DECEMBER 17

351st Day—14 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked on annual report and milling quality data for George Dishman

	Clear
	Cloudy
	Rain
	Snow

Saturday, DECEMBER 18

352nd Day—13 days to come

Sunday, DECEMBER 19

353rd Day—12 days to come

	Clear
	Cloudy
	Rain
	Snow

	Clear
	Cloudy
	Rain
	Snow

Monday, DECEMBER 20

354th Day—11 days to come

Oscar worked 8 hrs.
cleaning rice.

Worked on rice cleaner
for small samples

Tuesday, DECEMBER 21

355th Day—10 days to come

	Clear
	Cloudy
	Rain
	Snow

Oscar worked 8 hrs
cleaning rice.

worked on rice cleaner
for small samples

Trip in a.m. to Chana
to see Lee Fontenot about
land for 1944.

	Clear
	Cloudy
	Rain
	Snow

Wednesday, DECEMBER 22

356th Day—9 days to come

worked on rice cleaner
for small samples

annual leave started

Thursday, DECEMBER 23

357th Day—8 days to come

	Clear
	Cloudy
	Rain
	Snow

Worked most of day on
oil cleaner for small
samples

an annual lime

	Clear
	Cloudy
	Rain
	Snow

Friday, DECEMBER 24

358th Day—7 days to come

Drove to Austin

Annual leave

Saturday, DECEMBER 25

359th Day—6 days to come

	Clear
	Cloudy
	Rain
	Snow

In austin

On annual leave

	Clear
	Cloudy
	Rain
	Snow

Sunday, DECEMBER 26

360th Day—5 days to come

In Austin

An annual leave

Monday, DECEMBER 27

361st Day—4 days to come

	Clear
	Cloudy
	Rain
	Snow

In Austin

on annual leave

	Clear
	Cloudy
	Rain
	Snow

Tuesday, DECEMBER 28

362nd Day—3 days to come

Returned to Beaumont.

On annual leave

Wednesday, DECEMBER 29

363rd Day—2 days to come

	Clear
	Cloudy
	Rain
	Snow

an annual leave

	Clear
	Cloudy
	Rain
	Snow

Thursday, DECEMBER 30

364th Day—1 day to come

Worked on books for Rec Imp assn.

attended T. Club Luncheon with G. H. Boyt.

on annual leave

Friday, DECEMBER 31

365th Day—last day of year

	Clear
	Cloudy
	Rain
	Snow

John finished cleaning field plot nice samples.

an annual lione

Special Data

Special Data

Special Data

Cash Account, January

Date		Received		Paid	
	Total . .				

On hand January 1 . . . . $.....

Net Receipts for month . . $.....

Net Balance - January 31 . $.....

Cash Account, February

Date		Received		Paid	
	Total . .				

Net Balance - January 31 . $.....

Net Receipts for month . . $.....

Net Balance - February 28 . $.....

Cash Account, March

Date		Received		Paid	
	Total . .				

Net Balance - February 28 . $.....

Net Receipts for month . . $.....

Net Balance - March 31 . . $.....

Cash Account, April

Date		Received		Paid	
	Total . .				

Net Balance - March 31 . . $.....

Net Receipts for month . . $.....

Net Balance - April 30 . . $.....

Cash Account, May

Date		Received		Paid	
	Total . .				

Net Balance - April 30 . . $.....

Net Receipts for month . . $.....

Net Balance - May 31 . . $.....

Cash Account, June

Date		Received		Paid	
	Total . .				

Net Balance - May 31 . . $.....

Net Receipts for month . . $.....

Net Balance - June 30 . . $.....

Cash Account, July

Date		Received		Paid	
	Total . .				

Net Balance - June 30 . . $.....

Net Receipts for month . . $.....

Net Balance - July 31 . . $.....

Cash Account, August

Date		Received		Paid	
	Total . .				

Net Balance - July 31 . . $.....

Net Receipts for month . . $.....

Net Balance - August 31 . $.....

Cash Account, September

Date		Received		Paid	
	Total . .				

Net Balance - August 31 . $.....

Net Receipts for month . . $.....

Net Balance - September 30 . $.....

Cash Account, October

Date		Received		Paid	
	Total . .				

Net Balance - September 30 . $.....

Net Receipts for month . . $.....

Net Balance - October 31 . $.....

Cash Account, November

Date		Received		Paid	
	Total . .				

Net Balance - October 31 . $.....

Net Receipts for month . . $.....

Net Balance-November 30 $.....

Cash Account, December

Date		Received		Paid	
	Total . .				

Net Balance-November 30 $.....

Net Receipts for month . . $.....

Net Balance - December 31 $.....

Summary of Cash Account

	Received		Paid	
On hand January 1 . . .				
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
Total . .				

Balance as of December 31, $.....

Insurance

Rate	Issue	Name of Company

Expiration

Policy Number	Amount	Premium	Expires

Addresses

Name

Address

Telephone

Name

Address

Telephone

Name

Address

Telephone

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Rules for Computing Interest

The following will be found to be excellent rules for finding the interest on any principal for any number of days. When the principal contains cents point off four places from the right of the result to express the interest in dollars and cents. When the principal contains dollars only, point off two places.

Two Per Cent.—Multiply the principal by the number of days to run, and divide by 180.

Two and One-half Per Cent—Multiply by number of days and divide by 144.

Three Per Cent—Multiply by number of days, and divide by 120.

Three and One-half Per Cent—Multiply by number of days and divide by 103.

Four Per Cent—Multiply by number of days and divide by 90.

Five Per Cent—Multiply by number of days, and divide by 72.

Six Per Cent.—Multiply by number of days, and divide by 60.

Seven Per Cent.—Multiply by number of days, and divide by 52.

Eight Per Cent.—Multiply by number of days, and divide by 45.

Nine Per Cent.—Multiply by number of days, and divide by 40.

Ten Per Cent.—Multiply by number of days, and divide by 36.

Twelve Per Cent.—Multiply by number of days, and divide by 30.

Fifteen Per Cent.—Multiply by number of days and divide by 24.

Interest Tables

TWO PER CENT

Time	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1,000
4 Day	0	0	0	0	0	0	0	0	0	0	2	22
8 "	0	0	0	0	0	0	0	0	0	0	4	44
12 "	0	0	0	0	0	0	0	1	1	1	7	67
16 "	0	0	0	0	0	1	1	1	1	1	9	89
20 "	0	0	0	1	1	1	1	1	1	1	11	1.11
24 "	0	0	0	1	1	1	1	1	1	1	13	1.33
28 "	0	0	0	1	1	1	1	1	1	2	16	1.56
1 Mo.	0	0	1	1	1	1	1	1	2	2	17	1.67
2 "	0	1	1	1	1	2	2	3	3	3	33	3.33
3 "	1	1	2	2	3	3	4	4	5	5	50	5.00
4 "	1	1	2	3	3	4	5	5	6	7	67	6.67
5 "	1	2	3	3	4	5	6	7	8	8	83	8.33
6 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
1 Yr.	2	4	6	8	10	12	14	16	18	20	2.00	20.00

THREE PER CENT

Time	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1,000
4 Day	0	0	0	0	0	0	0	1	1	1	4	34
8 "	0	0	0	1	1	1	1	1	1	1	7	67
12 "	0	0	1	1	1	1	1	1	1	1	10	1.00
16 "	0	1	1	1	1	1	1	1	1	2	14	1.34
20 "	1	1	1	1	1	1	1	2	2	2	17	1.67
24 "	1	1	1	1	1	1	2	2	2	2	20	2.00
28 "	1	1	1	1	1	2	2	2	2	3	24	2.34
1 Mo.	1	1	1	1	2	2	2	2	3	3	25	2.50
2 "	1	1	2	2	3	3	4	4	5	5	50	5.00
3 "	1	2	3	3	4	5	6	6	7	8	75	7.50
4 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
5 "	2	3	4	5	7	8	9	10	12	13	1.25	12.50
6 "	2	3	5	6	8	9	11	12	14	15	1.50	15.00
1 Yr.	3	6	9	12	15	18	21	24	27	30	3.00	30.00

TWO AND ONE-HALF PER CENT

Time	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1,000
4 Day	0	0	0	0	0	0	0	0	0	0	3	28
8 "	0	0	0	0	0	0	1	1	1	1	6	56
12 "	0	0	0	0	1	1	1	1	1	1	9	84
16 "	0	0	0	1	1	1	1	1	1	1	11	1.11
20 "	0	0	1	1	1	1	1	1	2	2	14	1.14
24 "	0	0	1	1	1	1	2	2	2	2	17	1.67
28 "	0	1	1	1	1	2	2	2	2	2	20	1.70
1 Mo.	0	1	1	1	1	2	2	2	2	2	21	2.09
2 "	1	1	2	2	2	3	3	4	4	5	42	4.17
3 "	1	2	2	3	3	4	5	5	6	7	63	6.25
4 "	1	2	3	3	5	5	6	7	8	9	84	8.34
5 "	1	2	4	5	6	7	8	9	10	11	1.05	10.44
6 "	2	3	4	5	7	8	9	10	12	13	1.25	12.50
1 Yr.	3	5	8	10	13	15	18	20	23	25	2.50	25.00

SIX PER CENT

Time	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1,000
4 Day	0	0	0	0	0	0	0	1	1	1	7	67
8 "	0	0	0	1	1	1	1	1	1	1	13	1.33
12 "	0	0	1	1	1	1	1	2	2	2	20	2.00
16 "	0	1	1	1	1	2	2	2	2	3	27	2.67
20 "	1	1	1	2	2	2	2	3	3	3	33	3.33
24 "	1	1	1	2	2	2	3	3	4	4	40	4.00
28 "	1	1	1	2	2	3	3	4	4	5	47	4.67
1 Mo.	1	1	2	2	3	3	4	4	5	5	50	5.00
2 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
3 "	2	3	5	6	8	9	11	12	14	15	1.50	15.00
4 "	2	4	6	8	10	12	14	16	18	20	2.00	20.00
5 "	3	5	8	10	13	15	18	20	23	25	2.50	25.00
6 "	3	6	9	12	15	18	21	24	27	30	3.00	30.00
1 Yr.	6	12	18	24	30	36	42	48	54	60	6.00	60.00

Postal Information

Domestic Postage

Domestic rates of postage apply to all parts of the United States, which includes Hawaii and Alaska, and to its possessions, which embrace Porto Rico, the Philippines, Guam, Tutuila, the Canal Zone and the Virgin Islands of the U. S.; also to mail for officers and crew of vessels of war of the United States, and to other places where the United States mail service may be in operation.

First Class Matter. Letters and Written Matter, also other matter if sealed against postal inspection, 3c. per ounce or fraction.

Drop Letters should be mailed at rate of 2c. per ounce or fraction for delivery at letter-carrier offices, and 1c. per ounce at non-carrier offices, provided addresses are not served by rural or star route carriers.

Post Cards or Private Mailing Cards. All cards conforming to the requirements for Postal Cards whether or not they bear the words "Post Card" or "Private Mailing Card" and whether entirely in print or bearing written or typewritten messages, are subject to 1c. postage. Cards exceeding the size prescribed for private mailing or post cards and bearing the words "Post Card" or similar words, are chargeable with 2 cents or 3 cents per ounce or fraction thereof (letter rate).

Second Class Matter. (Unsealed) Newspapers and periodicals, which are "Entered as Second Class Matter". See post office for publishers rates. When mailed by public, 1 cent for each 2 ounces or fraction thereof, or the fourth class rate, whichever is lower.

Third Class Matter (limit 8 ounces). Circulars and miscellaneous printed matter, also merchandise, 1½ cents for each 2 ounces.

Fourth Class Matter. (Parcel Post) Merchandise, farm products, books, printed matter, and all other mailable matter, weighing more than 8 ounces, not included in the first, second and third classes.

Fourth Class (Parcel Post) Zone Rates

	1st lb.	Additional 2 lbs.
Local	.07	1.0
First (0-50 miles)	.08 add. lb.	1.1
Second (50-150 miles)	.08	1.1
Third (150-300 miles)	.09	2.0
Fourth (300-600 miles)	.10	3.5
Fifth (600-1000 miles)	.11	5.3
Sixth (1000-1400 miles)	.12	7 0
Seventh (1400-1800 miles)	.14	9.0
Eighth (over 1800 miles)	.15	11.0

Size and Weight. A Parcel Post package may not exceed 100 inches in length and girth combined. The limit of weight is 70 lbs., all zones.

Special Handling. Parcels to be given special handling will be chargeable with the regular fourth class rates and 10 cents additional postage on each parcel weighing not more than 2 pounds, 15 cents on each parcel of more than 2 but not more than 10 pounds, and 20 cents on each parcel weighing more than 10 pounds. Mark "Special Handling" on package.

Special Delivery. First class: Up to 2 pounds 10c., over 2 pounds up to 10 pounds 20c. and over 10 pounds 25c.

Second, third or fourth class: Up to 2 pounds 15c., over 2 pounds up to 10 pounds 25c. and over 10 pounds 35c.

Insurance. Third and Fourth Class Matter may be insured against injury, loss or rifling in an amount equivalent to its actual value up to $200.00 on payment of the following fees, in addition to postage.

Value $5.00 or less, 5c., $5.01 to $25.00, 10c., $25.01 to $50.00, 15c., $50.01 to $100.00, 25c., $100.01 to $150.00, 30c., $150.01 to $200.00, 35c.

Return receipt 3 cents extra; at time of mailing —5 cents after mailing.

Personal return receipt 13 cents.

Return receipt showing address where delivered 23 cents.

C. O. D. Service. Third and Fourth Class Matter and sealed domestic matter of any class, bearing postage at the first-class rate, may be sent C. O. D., and price of article and all charges thereon will be collected from the person addressed, upon delivery. C. O. D. fee is 12c., $5.00; 17c., $25.00; 22c., $50.00; 32c., $100.00; 40c., $150.00; 45c., $200.00.

Examination of contents is not permitted before delivery and payment of charges.

C. O. D. shipments must in all cases be based upon bona fide orders or agreements.

Registry Fee: $5.00, 15c.; $25.00, 18c.; $50.00, 20c.; $75.00, 25c.; $100.00, 30c.; $200.00, 40c.; $300.00, 50c.; $400.00, 60c.; $500.00, 70c.; $600.00, 80c.; $700.00, 85c.; $800.00, 90c.; $900.00, 95c.; $1000.00, $1.00.

If registered at minimum with excess value, surcharge: $50.00, 1c.; $100, 2c.; $200.00, 3c.; $400.00, 4c.; $600.00, 5c.; $800.00, 6c.; less than $1000.00, 7 cents; $1,000.00, 7 cents.

For each $1000.00 or part $1000.00, surcharge: 1st zone, 8c.; 2nd zone, 9c.; 3rd zone, 10c.; 4th zone, 11c.; 5th and 6th zones, 12c.; 7th and 8th zones, 18c.

Any class of mail without intrinsic value, not indemnifiable, 15c.

Second and third class matter valued in excess of $100.00, upon which a registry fee in excess of 20 cents is paid, must be sealed and first-class postage paid thereon.

Return receipt 3 cents extra at time of mailing; 5 cents after mailing.

Personal return receipt 13 cents.

Return receipt showing address where delivered, 23 cents.

Domestic **Registered** mail of any class, sealed against inspection and prepaid at the letter rate of postage, may be sent C.O.D. For amount of C.O.D. charges not over $10.00, fee 25c.; not over $50.00, fee 30c.; not over $100.00, fee 40c.; not over $200.00, fee 50c. Although the amount of C. O. D. charges on domestic C. O. D. collections on Registered C. O. D. mail is limited to $200.00, indemnity is payable in case of loss, rifling or damage for its actual value up to $1000.00 according to the fee paid. The additional fees range from 60c. to $1.20.

Money Order Rates

For orders from $0.01 to $2.50, 6c.; $2.51 to $5.00, 8c., $5.01 to $10.00, 11c.; $10.01 to $20.00, 13c., $20.01 to $40.00, 15c., $40.01 to $60.00, 18c.; $60.01 to $80.00, 20c.; and from $80.01 to $100.00, 22c.

Airplane Service

The rate of postage on airmail is 6 cents for each ounce or fraction thereof.

All mail intended to be carried by airplane should be plainly marked, "Via Airmail", in the space immediately below the stamp or stamps and above the address.

Mail for dispatch, via airplane service will be accepted for Registration, Insurance, or to be sent C. O. D.

Foreign Postage

Letters, 5 cents for the first ounce or fraction and 3 cents for each additional ounce or fraction.

Postal cards or post cards. Single cards 3 cents each and reply-paid cards 6 cents each.

To certain foreign countries letters and post cards may be sent at a lower rate. For information regarding these rates inquire at your local Post Office or see Official Postal Guide.

Printed matter. 1½ cents each 2 ounces or fraction.

Samples of merchandise 1½ cents each 2 ounces or fraction, with a minimum charge of 3 cents.

Foreign Parcel Post

For rates of postage, weight limits, dimensions, observations and prohibitions, see the Official Postal Guide.

Custom Declarations

A Custom Declaration Form (or set of forms which will be furnished on application), must be filled out accurately describing content value, etc., of parcel. See Official Postal Guide for "group shipment" arrangement.

Parcel Post Zone Rates

Weight in pounds	Local rate	1st zone rate	2d zone rate	3d zone rate	4th zone rate	5th zone rate	6th zone rate	7th zone rate	8th zone rate
1	$0.07	$0.08	$0.08	$0.09	$0.10	$0.11	$0.12	$0.14	$0.15
2	.08	.10	.10	.11	.14	17	.19	.23	.26
3	08	.11	.11	.13	17	.22	.26	.32	.37
4	09	.12	.12	15	.21	.27	.33	.41	.48
5	.09	.13	.13	.17	24	.33	.40	.50	.59
6	.10	.14	.14	19	.28	.38	.47	.59	.70
7	.10	.15	.15	.21	.31	.43	.54	.68	.81
8	.11	.16	.16	23	.35	.49	.61	.77	.92
9	.11	.17	.17	.25	.38	.54	.68	.86	1.03
10	.12	.18	.18	.27	.42	.59	.75	.95	1.14
11	.12	.19	.19	.29	.45	.64	.82	1.04	1.25
12	.13	.21	.21	.31	.49	.70	.89	1.13	1.36
13	.13	.22	.22	.33	.52	.75	.96	1.22	1.47
14	.14	.23	.23	35	.56	.80	1.03	1.31	1.58
15	.14	.24	.24	.37	.59	.86	1.10	1.40	1.69
16	.15	.25	.25	.39	.63	.91	1.17	1.49	1.80
17	.15	.26	.26	.41	.66	.96	1.24	1.58	1.91
18	.16	.27	.27	.43	.70	1.02	1.31	1.67	2.02
19	.16	.28	.28	.45	.73	1.07	1.38	1.76	2.13
20	.17	.29	.29	47	.77	1.12	1.45	1.85	2.24
21	.17	.30	.30	.49	.80	1.17	1.52	1.94	2.35
22	.18	.32	.32	.51	.84	1.23	1.59	2.03	2.46
23	18	.33	.33	.53	.87	1.28	1.66	2.12	2.57
24	.19	.34	.34	.55	.91	1.33	1.73	2.21	2.68
25	.19	.35	.35	.57	.94	1.39	1.80	2.30	2.79
26	.20	.36	.36	.59	.98	1.44	1.87	2.39	2.90
27	.20	.37	.37	.61	1.01	1.49	1.94	2.48	3 01
28	.21	.38	.38	.63	1.05	1.55	2.01	2.57	3.12
29	.21	.39	.39	.65	1.08	1.60	2.08	2.66	3.23
30	.22	.40	.40	.67	1.12	1.65	2.15	2.75	3.34
31	.22	.41	.41	.69	1.15	1.70	2.22	2.84	3.45
32	.23	.43	.43	.71	1.19	1.76	2.29	2.93	3.56
33	.23	.44	.44	.73	1.22	1.81	2.36	3.02	3.67
34	.24	45	.45	.75	1.26	1.86	2.43	3.11	3.78
35	.24	.46	.46	.77	1.29	1.92	2.50	3.20	3.89
36	25	.47	.47	.79	1.33	1.97	2.57	3.29	4.00
37	.25	.48	.48	.81	1.36	2.02	2.64	3.38	4.11
38	.26	.49	.49	.83	1.40	2.08	2.71	3.47	4.22
39	.26	.50	.50	.85	1.43	2.13	2.78	3.56	4.33
40	.27	.51	.51	.87	1.47	2.18	2.85	3.65	4.44
41	.27	.52	.52	.89	1.50	2.23	2.92	3.74	4.55
42	.28	.54	.54	.91	1.54	2.29	2.99	3.83	4.66
43	.28	.55	.55	.93	1.57	2.34	3.06	3.92	4.77
44	.29	.56	.56	.95	1.61	2.39	3.13	4.01	4.88
45	.29	.57	.57	.97	1.64	2.45	3 20	4.10	4.99
46	.30	.58	.58	.99	1.68	2.50	3.27	4.19	5.10
47	.30	.59	.59	1.01	1.71	2.55	3.34	4.28	5.21
48	.31	.60	.60	1 03	1.75	2 61	3.41	4.37	5.32
49	.31	.61	.61	1.05	1.78	2.66	3.48	4.46	5.43
50	.32	.62	.62	1.07	1.82	2.71	3.55	4.55	5.54
51	.32	.63	.63	1.09	1.85	2.76	3.62	4.64	5.65
52	.33	.65	.65	1.11	1.89	2.82	3.69	4.73	5.76
53	.33	.66	.66	1.13	1.92	2.87	3.76	4.82	5.87
54	.34	.67	.67	1.15	1.96	2.92	3.83	4.91	5.98
55	.34	.68	.68	1.17	1.99	2.98	3.90	5.00	6.09
56	.35	.69	.69	1.19	2.03	3.03	3.97	5.09	6.20
57	.35	.70	.70	1.21	2.06	3.08	4.04	5.18	6.31
58	.36	.71	.71	1.23	2.10	3.14	4.11	5.27	6.42
59	.36	.72	.72	1.25	2.13	3.19	4.18	5 36	6.53
60	.37	.73	.73	1.27	2.17	3.24	4.25	5.45	6.64
61	.37	.74	.74	1.29	2.20	3.29	4.32	5.54	6.75
62	.38	.76	.76	1.31	2.24	3.35	4.39	5.63	6.86
63	.38	.77	.77	1.33	2.27	3.40	4.46	5.72	6.97
64	.39	.78	.78	1.35	2.31	3.45	4.53	5.81	7.08
65	.39	.79	.79	1.37	2.34	3'51	4.60	5.90	7.19
66	.40	.80	.80	1.39	2.38	3.56	4.67	5.99	7.30
67	.40	.81	.81	1.41	2,41	3.61	4.74	6.08	7.41
68	.41	.82	.82	1.43	2.45	3.67	4.81	6.17	7.52
69	.41	.83	.83	1.45	2.48	3.72	4.88	6.26	7.63
70	.42	.84	.84	1.47	2.52	3.77	4 95	6.35	7.74

EXCEPTIONS:

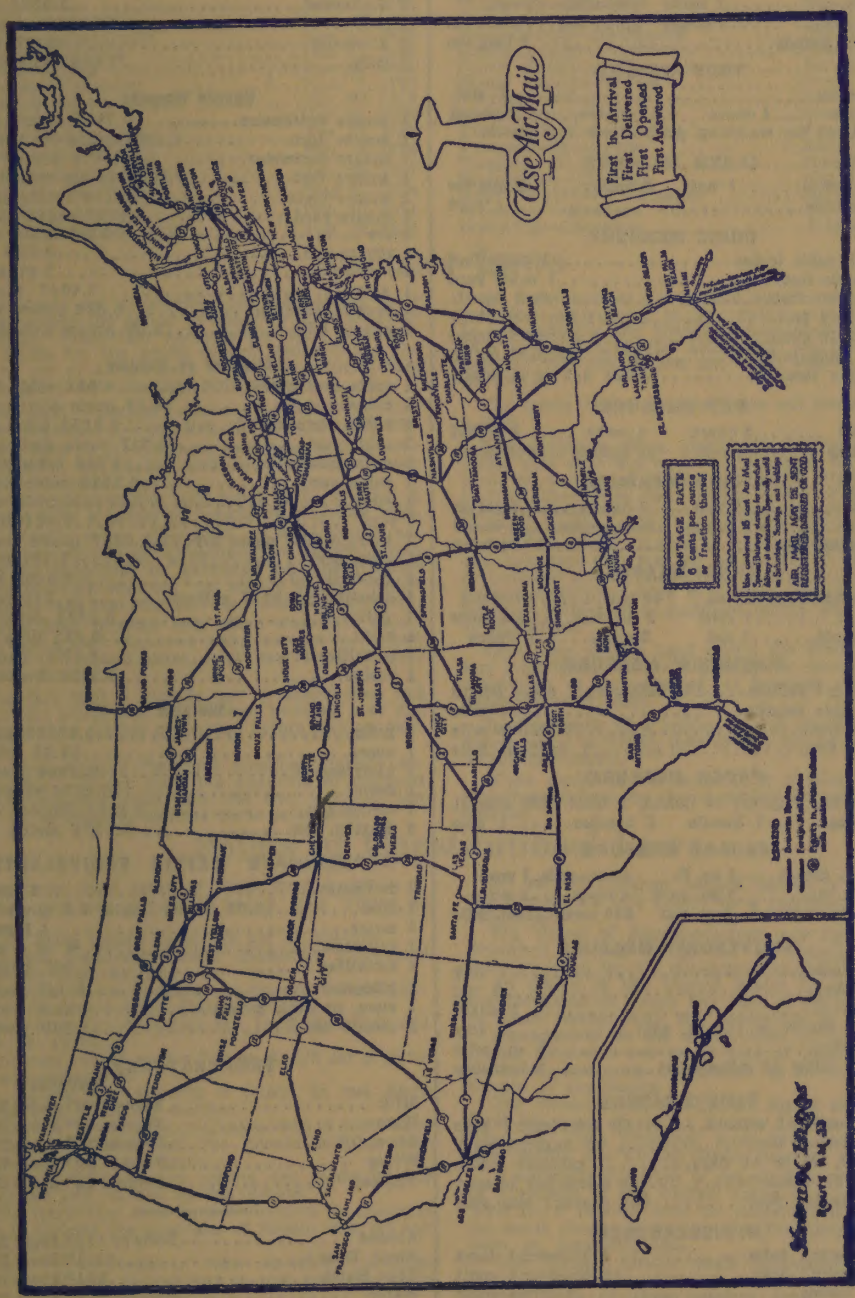
In the first or second zone, where the distance by the shortest regular practicable mail route is 300 miles or more, the rate is 9 cents for the first pound and 2 cents for each additional pound.

On parcels collected on rural routes the postage is 2 cents less per parcel than shown in the foregoing table when for local delivery and 3 cents less per parcel when for other than local delivery.

Parcels weighing less than 10 pounds measuring over 84 inches, but not more than 100 inches in length and girth combined, are subject to a minimum charge equal to that for a 10-pound parcel for the zone to which addressed.

AIRWAY MAP OF THE UNITED STATES

SHOWING AIR MAIL ROUTES



Weights and Measures

APOTHECARIES' WEIGHT

20 grains.....1 scruple 8 drams.....1 ounce
3 scruples.....1 dram 12 ounces....1 pound
Ounce and pound are the same as in Troy Weight

AVOIRDUPOIS WEIGHT

27-11/32 grains...1 dram 25 pounds...1 quarter
16 drams.....1 ounce 4 quarters..1 cwt.
16 ounces.....1 pound 2,000 lbs...1 short ton
2,240 pounds.....1 long ton

TROY WEIGHT

24 grains .....1 dwt.
20 dwts.....1 ounce 12 ounces.....1 pound
Used for weighing gold, silver and jewels

CLOTH MEASURE

2¼ inches.....1 nail 4 nails.....1 quarter
4 quarters.....1 yard

CUBIC MEASURE

1,728 cubic inches.....1 cubic foot
27 cubic feet.....1 cubic yard
128 cubic feet.....1 cord (wood)
40 cubic feet.....1 ton (shipping)
2,150.42 cubic inches.....1 standard bushel
231 cubic inches.....1 U. S. standard gallon
1 cubic foot.....about 4/5 of a bushel

DRY MEASURE

2 pints .....1 quart 4 pecks .....1 bushel
8 quarts .....1 peck 36 bushels ...1 chaldron

LIQUID MEASURE

4 gills .....1 pint 4 quarts .....1 gallon
2 pints .....1 quart 31½ gallons ...1 barrel
2 barrels .....1 hogshead

LONG MEASURE

12 inches.....1 foot 40 rods.....1 furlong
3 feet.....1 yard 8 furlongs...1 sta. mile
5½ yards.....1 rod 3 miles.....1 league

MARINERS' MEASURE

6 feet=1 fathom....120 fathoms=1 cable length
7½ cable lengths.....1 mile
5,280 feet.....1 statute mile
6,085 feet.....1 nautical mile

PAPER MEASURE

24 sheets, 1 quire; 20 quires, 1 ream (480 sheets)
2 reams.....1 bundle 5 bundles.....1 bale

SQUARE MEASURE

144 sq. inches....1 sq. ft. 40 sq. rods.1 rood
9 sq. ft.....1 sq. yard 4 roods....1 acre
30¼ sq. yards....1 sq. rod 640 acres..1 sq. mile

SURVEYORS' MEASURE

7.92 inches.....1 link
25 links.....1 rod
4 rods.....1 chain
10 sq. chains or 160 sq. rods.....1 acre
640 acres.....1 sq. mile
36 sq. miles (6 miles sq.).....1 township

TIME MEASURE

60 seconds=1 minute.....60 minutes=1 hour
24 hours=1 day.....7 days=1 week
28, 29, 30 or 31 days.....1 calendar month
30 days=1 month.....in computing interest
365 days=1 year.....366 days=1 leap year

MISCELLANEOUS

3 inches=1 palm.....4 inches=1 hand
6 inches=1 span.....18 inches=1 cubit
21.8 inches.....1 Bible cubit
2½ feet.....1 military pace

METRIC EQUIVALENTS—Linear Measure

1 centimeter.....0.3937 inch
1 inch.....2.54 centimeters
1 decimeter.....3.937 inches.....0.328 foot
1 foot.....3.048 decimeters
1 meter.....39.37 inches.....1.0936 yards
1 yard.....0.9144 meter
1 dekameter.....1.9884 rods
1 rod.....0.5029 dekameter
1 kilometer.....0.62137 mile
1 mile.....1.6093 kilometers

Square Measure

1 square centimeter.....0.1550 square inch
1 square inch.....6.452 square centimeters
1 square decimeter.....0.1076 square foot
1 square foot.....9.2903 square decimeters
1 square meter.....1.196 square yards
1 square yard.....0.8361 square meter
1 are .....3.954 square rods
1 square rod.....0.2529 are
1 hectare.....2.47 acres
1 acre.....0.4047 hectare
1 square kilometer.....0.386 square mile
1 square mile.....2.59 square kilometers

Measure of Volume

1 cubic centimeter.....0.061 cubic inch
1 cubic inch.....16.39 cubic centimeters
1 cubic decimeter.....0.0353 cubic foot
1 cubic foot.....28.317 cubic decimeters
1 cubic meter.....1.308 cubic yards
1 cubic yard.....0.7646 cubic meter
1 stere.....0.2759 cord
1 cord.....3.624 steres
1 liter=0.908 quart dry....1.0567 quarts liquid
1 quart dry.....1.101 liters
1 quart liquid.....0.9463 liter
1 dekaliter=2.6417 gallons.....135 pecks
1 gallon.....0.3785 dekaliter
1 peck.....0.881 dekaliter
1 hectoliter..... 2.8375 bushels
1 bushel.....0.3524 hectoliter

Weights

1 gram.....0.03527 ounce
1 ounce.....28.35 grams
1 kilogram.....2.2046 pounds
1 pound.....0.4536 kilogram
1 metric ton.....1.1023 English tons
1 English ton.....0.9072 metric ton

APPROXIMATE METRIC EQUIVALENTS

1 decimeter.....4 inches
1 liter.....1.06 quarts liquid, 0.9 quart dry
1 meter.....1.1 yards
1 kilometer.....⅝ of a mile
1 hectoliter.....2⅝ bushels
1 kilogram.....2-1/5 pounds
1 stere, or cubic meter.....¼ of a cord
1 metric ton.....2,200 pounds

TEMPERATURES

	Fahrenheit
Milk	Freezes 30° above Zero
Water	Freezes 32° above Zero
Olive Oil	Freezes 36° above Zero
Wines	Freeze 20° above Zero
Vinegar	Freezes 28° above Zero

Alcohol	Boils at 173° above Zero
Blood Heat	98.4° above Zero
Eggs Hatch	104° above Zero
Water	Boils at 212° above Zero
Petroleum	(average) Boils at 306° above Zero

Capitals of The States

State and Capital	Ent'd Union
Alabama—Montgomery	Dec. 14, 1819
Arizona—Phoenix	Feb. 14, 1912
Arkansas—Little Rock	June 15, 1836
California—Sacramento	Sept. 9, 1850
Colorado—Denver	Aug. 1, 1876
Connecticut—Hartford	Jan. 9, 1788
Delaware—Dover	Dec. 7, 1787
Dist. of Columbia—Washington	July 16, 1790
Florida—Tallahassee	Mar. 3, 1845
Georgia—Atlanta	Jan. 2, 1788
Idaho—Boise	July 3, 1890
Illinois—Springfield	Dec. 3, 1818
Indiana—Indianapolis	Dec. 11, 1816
Iowa—Des Moines	Dec. 28, 1846
Kansas—Topeka	Jan. 29, 1861
Kentucky—Frankfort	June 1, 1792
Louisiana—Baton Rouge	Apr. 30, 1812
Maine—Augusta	Mar. 15, 1820
Maryland—Annapolis	Apr. 28, 1788
Massachusetts—Boston	Feb. 6, 1788
Michigan—Lansing	Jan. 26, 1837
Minnesota—St. Paul	May 11, 1858
Mississippi—Jackson	Dec. 10, 1817
Missouri—Jefferson City	Aug. 10, 1821
Montana—Helena	Nov. 8, 1889
Nebraska—Lincoln	Mar. 1, 1867
Nevada—Carson City	Oct. 31, 1864
New Hampshire—Concord	June 21, 1788
New Jersey—Trenton	Dec. 18, 1787
New Mexico—Sante Fe	Jan. 6, 1912
New York—Albany	July 26, 1788
North Carolina—Raleigh	Nov. 21, 1789
North Dakota—Bismarck	Nov. 2, 1889
Ohio—Columbus	Feb. 19, 1803
Oklahoma—Oklahoma City	Nov. 16, 1907
Oregon—Salem	Feb. 14, 1859
Pennsylvania—Harrisburg	Dec. 12, 1787
Rhode Island—Providence	May 29, 1790
South Carolina—Columbia	May 23, 1788
South Dakota—Pierre	Nov. 2, 1889
Tennessee—Nashville	June 1, 1796
Texas—Austin	Dec. 29, 1845
Utah—Salt Lake City	Jan. 4, 1896
Vermont—Montpelier	Mar. 4, 1791
Virginia—Richmond	June 26, 1788
Washington—Olympia	Nov. 11, 1889
West Virginia—Charleston	June 20, 1863
Wisconsin—Madison	May 29, 1848
Wyoming—Cheyenne	July 11, 1890

Business Laws

Principals are responsible for the acts of their agents within the actual or apparent scope of given authority. Individual partners are each individually liable for the whole of firm obligations. The acts of any or all partners within the scope of firm business measure the firm obligations.

The word "limited" in connection with firm names indicates a limitation of the usual liability.

Laws vary in the different states concerning contracts made on Sunday and only certain transactions are voidable.

Contracts concerning land must be in writing. A contract with a minor or lunatic is generally void.

A promise in an agreement, to be enforced, requires consideration. Consideration is something given or promised in exchange for the promise which is being enforced. An act or promise which is illegal will not constitute a valid consideration.

Notes bear interest only after maturity, unless otherwise stated. Demand notes are payable when presented, without grace, and bear legal interest after demand.

The fact that a note is lost or stolen does not cancel the obligation. The maker, however, may demand a bond for his protection before making payment.

An endorsement "without recourse" merely releases the endorser from the guaranty of payment usually imposed upon him. He still warrants the note to be genuine and his right to endorse.

An instrument is not invalid for the reason only that it is ante-dated or post-dated, provided this is not done for any illegal or fraudulent purpose. If a note is materially altered by the holder, it becomes void but it does not avoid liability as to all parties.

The words "value received" are not necessary in a note.

The endorsers of a negotiable instrument are liable only after due notice of dishonor. An instrument is dishonored if not paid upon presentment to the maker when due. Prompt notice of dishonor must be given the endorsers. Generally stated, the notice of dishonor must be given actually or mailed within 24 hours. Notice of protest (presentment and non-payment) may be sent either to the place of business or residence of the party notified. If a letter containing notice of protest or dishonor be properly mailed, it is sufficient notice even though it miscarries.

Signatures with a lead pencil are good in law, but inadvisable. While a receipt for money is not conclusive of its payment, it requires clear evidence to rebut same.

In the hands of a holder in due course, a note fraudulently obtained, may or may not be a defense to the instrument.

When contracts are reduced to writing, understandings cannot be shown which are not in the writing.

Points of Constitutional Laws

Congress must meet at least once a year.

Congress may admit as many new States as desired

One State cannot undo the act of another.

By the constitution every citizen is guaranteed a speedy trial by jury

A power which is vested in Congress alone cannot be exercised by a State.

One State must respect the legal decisions and laws of another.

Congress cannot pass a law to punish for a crime already committed.

A person who commits a felony in one State cannot find refuge in another.

Bills for revenue can originate only in the House of Representatives, but the Senate may propose or concur with amendments.

Treaties with foreign powers are made by the President and ratified by the Senate.

The territories each have a delegate to Congress who is allowed the privilege of debate, but not the right to vote.

The Vice-President, who ex-officio presides over the Senate, has no vote in that body except in case of a tie ballot.

If the President holds a bill longer than ten days while Congress is in session it becomes a law without his signature.

An act of Congress cannot become a law over the President's veto except on a two-thirds vote of both Houses.

The House of Representatives may impeach the President for any crime, but the Senate has the sole power to try all impeachments.

An officer of the United States Government is not permitted to accept any title of nobility, order of honor except with the permission of Congress.

Amendments to the Constitution of the United States require a two-thirds vote of each House of Congress, and must be ratified by at least three-fourths of the States.

The President of the United States must be at least 35 years of age; a Senator, 30; a Congressman, 25. The President must have been a resident within the United States fourteen years.

A naturalized citizen is not eligible to the office of President of the United States. A male child born in a foreign land to American parents has an equal chance to become the President with one born on American soil.

The United States shall guarantee to every State a republican form of government, and shall protect each of them against invasion, and on application of the Legislature or of the Executive (when the Legislature cannot be convened) against domestic trouble.

Distances from New York to Cities in United States

The *distance* herein shown is that via the quickest route and the lines carrying the bulk of the mails

Cities in U. S.	Miles	Cities in U. S.	Miles	Cities in U. S.	Miles
Albany, N. Y.	145	Fargo, N. Dak.	1,613	Pittsburgh, Pa.	441
Albuquerque, N. Mex.	2,260	Ft. Worth, Tex.	1,773	Portland, Me.	341
Alliance, Neb.	1,875	Galveston, Tex.	1,764	Portland, Ore.	3,162
Amarillo, Tex.	1,920	Grand Rapids, Mich.	779	Prescott, Ariz.	2,724
Atlanta, Ga.	876	Greensboro, N. C.	515	Providence, R. I.	189
Atlantic City, N. J.	143	Harrisburg, Pa.	196	Reno, Nev.	2,936
Augusta, Me.	402	Hartford, Conn.	112	Richmond, Va.	343
Baltimore, Md.	187	Helena, Mont.	2,438	Roanoke, Va.	452
Birmingham, Ala.	990	Hot Springs, Ark.	1,367	St. Louis, Mo.	1,053
Bismarck, N. Dak.	1,753	Indianapolis, Ind.	812	St. Paul, Minn.	1,307
Boise, Idaho	2,783	Ishpeming, Mich.	1,354	Salt Lake City, Utah	2,452
Boston, Mass.	232	Jackson, Miss.	1,239	San Francisco, Cal.	3,180
Bristol, Tenn.	604	Jacksonville, Fla.	982	Santa Fe, N. Mex.	2,173
Buffalo, N. Y.	396	Kansas City, Mo.	1,331	Savannah, Ga.	845
Burlington, Vt.	303	Little Rock, Ark.	1,291	Seattle, Wash.	3,107
Butte, Mont.	2,498	Los Angeles, Calif.	3,111	Sheridan, Wyo.	2,209
Cape May, N. J.	174	Louisville, Ky.	865	Shreveport, La.	1,456
Carson City, Nev.	3,016	Manchester, N. H.	290	Sioux Falls, S. Dak.	1,507
Charleston, S. C.	736	Memphis, Tenn.	1,158	Spokane, Wash.	2,787
Charleston, W. Va.	614	Milwaukee, Wis.	994	Springfield, Ill.	1,009
Chattanooga, Tenn.	853	Mobile, Ala.	1,229	Springfield, Mass.	136
Cheyenne, Wyo.	1,913	Montpelier, Vt.	327	Superior, Wis.	1,427
Chicago, Ill.	909	Newark, N. J.	9	Syracuse, N. Y.	290
Cincinnati, O.	751	New Orleans, La.	1,345	Tacoma, Wash.	3,125
Cleveland, O.	579	Norfolk, Va.	347	Tampa, Fla.	1,190
Columbus, O.	624	Ogden, Utah	2,397	Topeka, Kans.	1,409
Concord, N. H.	292	Oklahoma, Okla.	1,596	Trenton, N. J.	57
Cumberland, Md.	378	Omaha, Neb.	1,397	Vicksburg, Miss.	1,288
Deadwood, S. Dak.	1,957	Parkersburg, W. Va.	600	Vinita, Okla.	1,412
Denver, Colo.	1,943	Pendleton, Ore.	3,017	Washington, D. C.	227
Des Moines, Ia.	1,267	Philadelphia, Pa.	92	Wheeling, W. Va.	496
Detroit, Mich.	648	Phoenix, Ariz.	2,724	Wichita, Kans.	1,565
Duluth, Minn.	1,522			Wilmington, Del.	117
El Paso, Tex.	2.298			Wilmington, N. C.	593

Distances and Mail Time to Foreign Cities from New York

By Postal Route to—	Statute Miles	Days	By Postal Route to—	Statute Miles	Days
Adelaide, via Vancouver	11,843	32	Hong Kong	10,453	23
Alexandria, via London	6,135	17	Honolulu	5,599	12
Amsterdam, via London	4,043	11	Liverpool	3,707	10
Antwerp, via London	4,015	11	London	3,812	9
Athens, via London	5,432	18	Madrid	4,851	13
Bahia, Brazil	4,709	17	Melbourne	11,253	31
Bangkok, Siam	14,039	38	Mexico City	3,760	6
Batavia, Java	11,991	35	Panama	2,323	7
Berlin	4,597	12	Paris	3,946	10
Bombay	9,434	25	Petrograd	5,639	18
Bremen	4,294	11	Quebec, Que.	555	2
Buenos Ayres	6,914	18	Rio de Janeiro	5,493	13
Calcutta	11,324	28	Rome	4,854	14
Cape Town	11,033	27	Rotterdam	4,016	10
Constantinople	5,809	22	San Juan, Porto Rico	1,611	5
Florence	4,683	13	Shanghai	9,530	23
Glasgow	3,656	10	Stockholm	5,405	15
Greytown, via New Orleans	2,816	11	Sydney	11,496	30
Halifax, N. S.	686	2	Valparaiso	5,335	21
Hamburg	4,317	11	Vienna	4,795	14
Havana	1,560	3	Yokohama, via San Francisco	8,717	18

Actual Rate of Income

on Dividend-Paying Stocks at Various Prices Par Value $100.00

Pr.	1%	2%	3%	4%	5%	6%	7%	8%
10	10%	20%	30%	40%	50%	60%	70%	80%
11	9.09	18.18	27.27	36.36	45.45	54.55	63.64	72.73
12	8.33	16.67	25.00	33.33	41.67	50.00	58.34	66.67
13	7.69	15.38	23.08	30.77	38.46	46.15	53.85	61.54
14	7.14	14.29	21.43	28.57	35.71	42.86	50.00	57.14
15	6.67	13.33	20.00	26.67	33.33	40.00	46.67	53.33
16	6.25	12.50	18.75	25.00	31.25	37.50	43.75	50.00
17	5.88	11.76	17.65	23.53	29.41	35.29	41.18	47.06
18	5.56	11.11	16.67	22.22	27.78	33.33	38.89	44.44
19	5.26	10.53	15.79	21.05	26.32	31.58	36.84	42.11
20	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00
21	4.76	9.52	14.29	19.05	23.81	28.57	33.33	38.10
22	4.55	9.09	13.64	18.18	22.73	27.27	31.82	36.36
23	4.35	8.70	13.04	17.39	21.74	26.09	30.43	34.78
24	4.16	8.33	12.50	16.67	20.83	25.00	29.17	33.33
25	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00
26	3.85	7.69	11.54	15.39	19.23	23.08	26.92	30.77
27	3.70	7.41	11.11	14.81	18.52	22.22	25.93	29.63
28	3.57	7.14	10.71	14.29	17.86	21.43	25.00	28.57
29	3.45	6.90	10.34	13.79	17.24	20.69	24.14	27.59
30	3.33	6.67	10.00	13.33	16.67	20.00	23.33	26.67
31	3.23	6.45	9.68	12.90	16.13	19.35	22.58	25.81
32	3.13	6.25	9.38	12.50	15.63	18.75	21.88	25.00
33	3.03	6.06	9.09	12.12	15.15	18.18	21.21	24.24
34	2.94	5.88	8.82	11.76	14.71	17.65	20.58	23.53
35	2.86	5.71	8.57	11.43	14.29	17.14	20.00	22.86
36	2.78	5.56	8.33	11.11	13.89	16.67	19.44	22.22
37	2.70	5.41	8.11	10.81	13.51	16.22	18.92	21.62
38	2.63	5.26	7.89	10.53	13.16	15.79	18.42	21.05
39	2.56	5.13	7.69	10.26	12.82	15.38	17.95	20.51
40	2.50	5.00	7.50	10.00	12.50	15.00	17.50	20.00
41	2.44	4.88	7.32	9.76	12.20	14.63	17.07	19.51
42	2.38	4.76	7.14	9.52	11.90	14.29	16.67	19.05
43	2.33	4.65	6.98	9.30	11.63	13.97	16.28	18.60
44	2.27	4.55	6.82	9.09	11.36	13.64	15.91	18.18
45	2.22	4.44	6.67	8.89	11.11	13.33	15.56	17.78
46	2.17	4.35	6.52	8.70	10.87	13.04	15.22	17.39
47	2.13	4.26	6.38	8.51	10.64	12.77	14.89	17.02
48	2.08	4.17	6.25	8.33	10.42	12.50	14.58	16.67
49	2.04	4.08	6.12	8.16	10.20	12.24	14.28	16.33
50	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
51	1.96	3.92	5.88	7.84	9.80	11.76	13.73	15.69
52	1.92	3.85	5.77	7.69	9.62	11.54	13.46	15.38
53	1.89	3.77	5.66	7.55	9.43	11.32	13.21	15.09
54	1.85	3.70	5.56	7.41	9.26	11.11	12.96	14.82
55	1.82	3.64	5.45	7.27	9.09	10.91	12.73	14.55
56	1.79	3.57	5.36	7.14	8.93	10.72	12.50	14.29
57	1.75	3.51	5.26	7.02	8.77	10.53	12.28	14.04
58	1.72	3.45	5.17	6.90	8.62	10.34	12.07	13.79
59	1.69	3.39	5.08	6.78	8.47	10.17	11.86	13.56
60	1.67	3.33	5.00	6.67	8.34	10.00	11.67	13.34
61	1.64	3.28	4.92	6.56	8.20	9.84	11.48	13.11
62	1.61	3.23	4.84	6.45	8.06	9.68	11.29	12.90
63	1.59	3.17	4.76	6.35	7.94	9.52	11.11	12.70
64	1.56	3.13	4.69	6.25	7.81	9.38	10.94	12.50
65	1.54	3.08	4.62	6.15	7.69	9.23	10.77	12.31
66	1.52	3.03	4.55	6.06	7.58	9.09	10.61	12.12
67	1.49	2.99	4.49	5.97	7.46	8.96	10.45	11.94
68	1.47	2.94	4.41	5.88	7.35	8.81	10.29	11.76
69	1.45	2.90	4.35	5.80	7.25	8.70	10.14	11.59
70	1.43	2.86	4.29	5.71	7.14	8.57	10.00	11.43
71	1.41	2.82	4.23	5.63	7.04	8.45	9.86	11.27
72	1.39	2.78	4.17	5.56	6.94	8.33	9.72	11.11
73	1.37	2.74	4.11	5.48	6.85	8.22	9.59	10.96
74	1.35	2.70	4.05	5.41	6.76	8.11	9.46	10.81
75	1.33	2.67	4.00	5.33	6.67	8.00	9.33	10.67
76	1.32	2.63	3.95	5.26	6.58	7.89	9.21	10.53
77	1.30	2.60	3.90	5.19	6.49	7.79	9.09	10.39
78	1.28	2.56	3.85	5.13	6.41	7.69	8.97	10.26
79	1.27	2.53	3.80	5.06	6.33	7.59	8.86	10.13
80	1.25	2.50	3.75	5.00	6.25	7.50	8.75	10.00
81	1.23	2.47	3.70	4.94	6.17	7.41	8.64	9.88
82	1.22	2.44	3.66	4.88	6.10	7.32	8.54	9.76
83	1.20	2.41	3.61	4.82	6.02	7.23	8.43	9.64
84	1.19	2.38	3.57	4.76	5.95	7.14	8.33	9.52
85	1.18	2.35	3.53	4.71	5.88	7.06	8.24	9.41
86	1.16	2.33	3.49	4.65	5.81	6.98	8.14	9.30
87	1.15	2.30	3.45	4.60	5.75	6.90	8.05	9.20
88	1.14	2.27	3.41	4.55	5.68	6.82	7.95	9.09

Price	3%	4%	5%	6%	7%	8%	10%	12%
89	3.37	4.49	5.62	6.74	7.87	8.99	11.24	13.48
90	3.33	4.44	5.56	6.67	7.78	8.89	11.11	13.33
91	3.30	4.40	5.49	6.59	7.69	8.79	11.98	13.18
92	3.26	4.35	5.43	6.52	7.61	8.70	10.87	13.04
93	3.23	4.30	5.38	6.45	7.53	8.60	10.75	12.90
94	3.19	4.26	5.32	6.38	7.45	8.51	10.64	12.77
95	3.16	4.21	5.26	6.32	7.37	8.42	10.53	12.63
96	3.13	4.17	5.21	6.25	7.29	8.33	10.42	12.50
97	3.09	4.12	5.15	6.19	7.22	8.25	10.31	12.37
98	3.06	4.08	5.10	6.12	7.14	8.16	10.20	12.24
99	3.03	4.04	5.05	6.06	7.07	8.08	10.10	12.12
100	3.00	4.00	5.00	6.00	7.00	8.00	10.00	12.00
101	2.97	3.96	4.95	5.94	6.93	7.92	9.90	11.88
102	2.94	3.92	4.90	5.88	6.86	7.84	9.80	11.76
103	2.91	3.88	4.85	5.83	6.80	7.77	9.71	11.65
104	2.88	3.85	4.81	5.77	6.73	7.69	9.62	11.54
105	2.86	3.81	4.76	5.71	6.67	7.62	9.52	11.43
106	2.83	3.77	4.72	5.66	6.60	7.55	9.43	11.32
107	2.80	3.74	4.67	5.61	6.54	7.48	9.34	11.21
108	2.78	3.70	4.63	5.56	6.48	7.41	9.26	11.11
109	2.75	3.67	4.59	5.50	6.42	7.34	9.17	11.01
110	2.73	3.64	4.55	5.45	6.36	7.27	9.09	10.90
112½	2.67	3.56	4.44	5.33	6.22	7.11	8.89	10.67
115	2.61	3.48	4.35	5.22	6.09	6.96	8.70	10.43
117½	2.55	3.40	4.26	5.11	5.96	6.81	8.51	10.21
120	2.50	3.33	4.17	5.00	5.83	6.67	8.33	10.00
122½	2.45	3.27	4.08	4.90	5.71	6.53	8.16	9.80
125	2.40	3.20	4.00	4.80	5.60	6.40	8.00	9.60
127½	2.35	3.14	3.92	4.71	5.49	6.27	7.84	9.41
130	2.31	3.08	3.85	4.62	5.38	6.15	7.69	9.23
132½	2.26	3.02	3.77	4.53	5.28	6.04	7.55	9.06
135	2.22	2.96	3.71	4.44	5.19	5.93	7.41	8.89
137½	2.18	2.91	3.64	4.36	5.09	5.82	7.27	8.73
140	2.14	2.86	3.57	4.29	5.00	5.71	7.14	8.57
142½	2.11	2.81	3.51	4.21	4.91	5.61	7.02	8.42
145	2.07	2.76	3.45	4.14	4.83	5.52	6.90	8.28
147½	2.03	2.71	3.39	4.07	4.75	5.42	6.78	8.14
150	2.00	2.67	3.33	4.00	4.67	5.33	6.67	8.00
152½	1.97	2.62	3.28	3.93	4.59	5.25	6.56	7.87
155	1.94	2.58	3.23	3.87	4.52	5.16	6.45	7.74
160	1.88	2.50	3.13	3.75	4.38	5.00	6.25	7.50
165	1.82	2.42	3.03	3.64	4.24	4.85	6.06	7.27

Price	4%	5%	6%	7%	8%	10%	12%	14%
170	2.35	2.94	3.53	4.12	4.71	5.88	7.06	8.24
175	2.29	2.86	3.43	4.00	4.57	5.71	6.86	8.00
180	2.22	2.78	3.33	3.89	4.44	5.56	6.67	7.78
185	2.16	2.70	3.24	3.78	4.32	5.41	6.49	7.57
190	2.11	2.63	3.16	3.68	4.21	5.26	6.32	7.37
195	2.05	2.56	3.08	3.59	4.10	5.13	6.15	7.18
200	2.00	2.50	3.00	3.50	4.00	5.00	6.00	7.00
205	1.95	2.44	2.93	3.41	3.90	4.88	5.85	6.83
210	1.90	2.38	2.86	3.33	3.81	4.76	5.71	6.67
215	1.86	2.33	2.79	3.26	3.72	4.65	5.58	6.51
220	1.82	2.27	2.73	3.18	3.64	4.55	5.45	6.36
225	1.78	2.22	2.67	3.11	3.56	4.44	5.33	6.22
230	1.74	2.17	2.61	3.04	3.48	4.35	5.22	6.09
235	1.70	2.13	2.55	2.98	3.40	4.26	5.11	5.96
240	1.67	2.08	2.50	2.92	3.33	4.17	5.00	5.83
245	1.63	2.04	2.45	2.86	3.27	4.08	4.90	5.71
250	1.60	2.00	2.40	2.80	3.20	4.00	4.80	5.60
255	1.57	1.96	2.35	2.75	3.14	3.92	4.71	5.49
260	1.54	1.92	2.31	2.69	3.08	3.85	4.62	5.38
265	1.51	1.89	2.26	2.64	3.02	3.77	4.53	5.28
270	1.48	1.85	2.22	2.59	2.96	3.70	4.44	5.19
275	1.45	1.82	2.18	2.55	2.91	3.64	4.36	5.09
280	1.43	1.79	2.14	2.50	2.86	3.57	4.29	5.00
285	1.40	1.75	2.11	2.46	2.81	3.51	4.21	4.91
290	1.38	1.72	2.07	2.41	2.76	3.45	4.14	4.83
295	1.36	1.69	2.03	2.37	2.71	3.39	4.07	4.75
300	1.33	1.67	2.00	2.33	2.67	3.33	4.00	4.67
310	1.29	1.61	1.94	2.26	2.58	3.23	3.87	4.52
320	1.25	1.56	1.88	2.19	2.50	3.13	3.75	4.38
330	1.21	1.52	1.82	2.12	2.42	3.03	3.64	4.24
340	1.18	1.47	1.76	2.06	2.35	2.94	3.53	4.12
350	1.14	1.43	1.71	2.00	2.28	2.86	3.43	4.00
400	1.00	1.25	1.50	1.75	2.00	2.50	3.00	3.50
500	.80	1.00	1.20	1.40	1.60	2.00	2.40	2.80

USEFUL INFORMATION.

To find diameter of a circle multiply circumference by .31831.

To find circumference of a circle multiply diameter by 3.1416.

To find area of a circle multiply square of diameter by .7854.

To find surface of a ball multiply square of diameter by 3.1416.

To find side of an equal square multiply diameter by .8862.

To find cubic inches in a ball multiply cube of diameter by .5236.

Doubling the diameter of a pipe increases its capacity four times.

Double riveting is from 16 to 20 per cent. stronger than single.

One cubic foot of anthracite coal weighs about 53 pounds.

One cubic foot of bituminous coal weighs from 47 to 50 pounds.

One ton of coal is equivalent to two cords of wood for steam purposes.

A gallon of water (U. S. Standard) weighs 8⅓ lbs. and contains 231 cubic inches.

There are nine square feet of heating surface to each square foot of grate surface.

A cubic foot of water contains 7½ gallons 1728 cubic inches, and weighs 62½ lbs.

Each nominal horse power of a boiler requires 30 to 35 lbs. of water per hour.

To sharpen dull files lay them in dilute sulphuric acid until they are eaten deep enough.

A horse power is equivalent to raising 33,000 lbs. one foot per minute, or 550 lbs. one foot per second.

The average consumption of coal for steam boilers is 12 lbs. per hour for each square foot of grate surface.

To find the pressure in pounds per square inch of a column of water, multiply the height of the column in feet by .434.

Steam rising from water at its boiling point (212 degrees) has a pressure equal to the atmosphere (14.7 lbs. to the square inch).

To evaporate one cubic foot of water requires the consumption of 7½ lbs. of ordinary coal, or about 1 lb. of coal to 1 gallon of water.

One sixth of tensile strength of plate multiplied by thickness of plate and divided by one-half the diameter of boiler gives safe working pressure for tubular boilers. For marine boilers add 20 per cent. for drilled holes.

One-half the diameter of boiler gives safe working pressure for tubular boilers. For marine boilers add 20 per cent. for drilled holes.

No plate or bars of either Steel or Iron should be worked at a black or blue heat (say about 500°); the material will stand far more strain either red hot or cold, while at an intermediate point great risks will be run, and possibly strains produced which result in rupture later on.

USEFUL INFORMATION FOR CONTRACTORS.

One thousand shingles, laid four inch to the weather, will cover one hundred square feet of surface and five lbs. of shingle nails will fasten them on.

One-fifth more siding and flooring is needed than the number of square feet of surface to be covered because of the lap in siding and flooring.

One thousand laths will cover seventy yards of surface and eleven pounds of lath nails will nail them on.

Eight bushels of good lime, sixteen bushels of sand and one bushel of hair will make enough good mortar to plaster 100 square yards.

One cord of stone, three bushels of lime and a cubic yard of sand will lay one hundred cubic feet of wall.

Cement one bushel, and sand two bushels, will cover 3½ square yards, one inch thick; 4½ square yards ¾ inch thick, and 6¾ square yards ½ inch thick.

One bushel of cement and one bushel of sand will cover 2¼ square yards one inch thick; 3 square yards ¾ inch thick, and 4½ square yards ½ inch thick.

AMOUNT OF PAINT REQUIRED FOR A GIVEN SURFACE.

It is impossible to give a rule that will apply in all cases, as the amount varies with the kind and the thickness of the paint, the kind of wood or other material to which it is applied, the age of the surface, etc. The following is an approximate rule: Divide the number of square feet of surface by 200. The result will be the number of gallons of liquid paint required to give two coats: or divide by 18 and the result will be the number of pounds of pure ground white lead required to give three coats.

ROOF ELEVATIONS

By the "pitch" of a roof is meant the relation which the height of the ridge above the level of the roof-plates bears to the span, or the distance between the studs on which the roof rests.

The length of rafters for the most common pitches can be found as follows from any given span:

If ¼	pitch,	multiply	span	by	.559	or	7-12	nearly.
If ⅓	"	"	"	"	.5	"	3-5	"
If ⅜	"	"	"	"	.625	"	5-8	"
If ½	"	"	"	"	.71	"	7-10	"
If ⅝	"	"	"	"	.8	"	4-5	"
If full	"	"	"	"	.1-12	"	1.18	"

To length thus obtained must be added amount of projections of rafters at the eaves.

As the rafters must be purchased of even lengths, a few inches more or less on their length will make a difference to the pitch so slight that it cannot be detected by the eye.

Example—To determine the length of rafters for a roof constructed, one-half pitch, with a span of 24 ft.—24x.71=17.04; or, practically, just 17 feet. A projection of one foot for eaves makes the length to be purchased 18 feet.

PAINTER, GLAZIER and PAPER-HANGER.

One pound of paint will cover about four superficial yards the first coat, and about six yards each additional coat.

About one pound of putty for stopping, will be required for every twenty yards.

One gallon of tar and one pound of pitch will cover about twelve yards superficial the first coat, and about seventeen yards each additional coat.

Calculating Speed of Pulleys

I.—The diameter of the driver and driven being given, to find the number of revolutions of the driven.

Rule—Multiply the diameter of the driver by its number of revolutions, and divide the product by the diameter of the driven; the quotient will be the number of revolutions.

II.—The diameter and the revolutions of the driver being given to find the diameter of the driven, that shall make any given number of revolutions in the same time.

Rule—Multiply the diameter of the driver by its number of revolutions, and divide the product by the number of revolutions of the driven; the quotient will be its diameter.

III.—To ascertain the size of the driver.

Rule—Multiply the diameter of the driven by the number of revolutions you wish to make, and divide the product by the revolutions of the driver; the quotient will be the size of the driver.

CENSUS 1940

Cities in U. S. A. of 15,000 and over

Aberdeen, S. D.. 17,015
Aberdeen, Wash.. 18,846
Abilene, Tex. .. 26,612
Abington, Pa. .. 20,857
Ada, Okla. 15,143
Akron, Ohio.....244,791
Alameda, Cal..... 36,256
Albany, Ga..... 19,055
Albany, N. Y....130,577
Albuquerque, N.M. 35,449
Alexandria, La.. 27,066
Alexandria, Va.. 33,523
Alhambra, Cal.... 38,935
Aliquippa, Pa. .. 27,023
Allentown, Pa. .. 96,904
Alliance, Ohio.... 22,405
Alton, Ill..... 31,255
Altoona, Pa. ... 80,214
Amarillo, Tex.... 51,686
Ambridge, Pa. .. 18,968
Amsterdam, N. Y. 33,329
Anderson, Ind.... 41,572
Anderson, S. C.. 19,424
Ann Arbor, Mich. 29,815
Anniston, Ala..... 25,523
Ansonia, Conn.... 19,210
Appleton, Wis. . 28,436
Ardmore, Okla... 16,886
Arlington, Mass.. 40,013
Arlington, Va. .. 57,040
Asheville, N. C. .51,310
Ashland, Ky..... 29,537
Ashtabula, Ohio.. 21,405
Athens, Ga.....20,650
Atlanta, Ga.....302,288
Atlantic City, N.J. 64,094
Attleboro, Mass.. 22,071
Auburn, Me..... 19,817
Auburn, N. Y... 35,753
Augusta, Ga..... 65,919
Augusta, Me..... 19,360
Aurora, Ill..... 47,170
Austin, Minn.... 18,307
Austin, Tex. ... 87,930

Bakersfield, Cal... 29,252
Baltimore, Md...859,100
Bangor, Me..... 29,822
Barberton, Ohio.. 24,028
Bartlesville, Okla. 16,267
Batavia, N. Y... 17,267
Baton Rouge, La. 34,719
Battle C'k, Mich. 43,453
Bay City, Mich.. 47,956
Bayonne, N. J... 79,198
Beaumont, Tex. . 59,061
Beaver Falls, Pa. 17,098
Belleville, Ill..... 28,405
Belleville, N. J... 28,167
Bell'gham, Wash. 29,314
Belmont, Mass... 26,867
Beloit, Wis..... 25,365
Belvedere, Cal.... 37,192
Ben. H'bor, Mich. 16,668
Berkeley, Cal..... 85,547
Berlin, N. H.... 19,084
Berwyn, Ill..... 48,451
Bessemer, Ala.... 22,826
Bethlehem, Pa... 58,490
Beverly Hills, Cal. 26,823

Beverly, Mass.... 25,537
Biddeford, Me... 19,790
Billings, Mont... 23,261
Biloxi, Miss..... 17,475
Binghamton, N.Y. 78,309
Birmingham, Ala..267,583
Bismarck, N. D... 15,496
Bloomfield, N. J.. 41,623
Bloomington, Ill.. 32,868
Bloomington, Ind. 20,870
Bluefield, W. Va. 20,641
Blue Island, Ill.. 16,638
Boise City, Idaho. 26,130
Boston, Mass.....770,816
Braddock, Pa. .. 18,326
Bradford, Pa. .. 17,691
Braintree, Mass.. 16,378
Brem'ton, Wash. 15,134
Bridgeport, Conn..147,121
Bridgeton, N. J... 15,992
Bristol, Conn..... 30,167
Brockton, Mass. . 62,343
Brookline, Mass.. 49,786
Brownsville, Tex.. 22,083
Brunswick, Ga.... 15,035
Buffalo, N. Y...575,901
Burbank, Cal..... 34,337
Burlingame, Cal.. 15,940
Burlington, Ia... 25,832
Burlington, Vt... 27,686
Butler, Pa. 24,477
Butte, Mont. 37,081

Cambridge, Mass. 110,879
Cambridge, Ohio.. 15,044
Camden, N. J....117,536
Canton, Ohio.....108,401
Cape Gir'd'u, Mo. 19,426
Carbondale, Pa. . 19,371
Casper, Wyo..... 17,964
Cedar Rapids, Ia. 62,120
Central Falls, R.I. 25,248
Centralia, Ill..... 16,343
Champaign, Ill... 23,302
Charleston, S. C. 71,275
Ch'leston, W. Va. 67,914
Charlotte, N. C..100,899
Charl'tesv'le, Va. 19,400
Chat'ooga, Tenn..128,163
Chelsea, Mass.... 41,259
Cheltenham, Pa.. 19,082
Chester, Pa. 59,285
Cheyenne, Wyo... 22,474
Chicago, Ill.....3,396,808
Chicago Hts., Ill. 22,461
Chicopee, Mass... 41,664
Chillicothe, Ohio. 20,129
Cicero, Ill..... 64,712
Cincinnati, Ohio..455,610
Clairton, Pa. ... 16,381
Clarksb'g, W. Va. 30,579
Cleveland, Ohio...878,336
Cleveland Hts., O. 54,992
Cliffside Pk., N. J. 16,892
Clifton, N. J..... 48,827
Clinton, Ia..... 26,270
Coffeyville, Kan.. 17,355
Cohoes, N. Y.... 21,955
Colo. Spgs., Colo. 36,789
Columbia, Mo.... 18,399

Columbia, S. C.. 62,396
Columbus, Ga.... 53,280
Columbus, Ohio...306,087
Compton, Cal..... 16,198
Concord, N. C.... 15,572
Concord, N. H... 27,171
Corning, N. Y... 16,212
Cor. Christi, Tex. 57,301
Corsicana, Tex. . 15,232
Cortland, N. Y.. 15,881
Coun. Bluffs, Ia. 41,439
Covington, Ky.... 62,018
Cranston, R. I... 47,085
Cumberland, Md. 39,483
Cuyahoga Falls, O. 20,546
Dallas, Tex. 294,734
Danbury, Conn... 22,339
Danville, Ill..... 36,919
Danville, Va. .. 32,749
Davenport, Ia.... 66,039
Dayton, Ohio.....210,718
Daytona Bch, Fla. 22,584
Dearborn, Mich.. 63,584
Decatur, Ala..... 16,604
Decatur, Ga..... 16,561
Decatur, Ill..... 59,305
Dedham, Mass... 15,508
Denison, Tex. .. 15,581
Denver, Colo.....322,412
Des Moines, Ia..159,819
Detroit, Mich...1,623,452
Dothan, Ala..... 17,194
Dubuque, Ia..... 43,892
Duluth, Minn....101,065
Dunkirk, N. Y.. 17,713
Dunmore, Pa. .. 23,086
Duquesne, Pa. .. 20,693
Durham, N. C... 60,195

East Chicago, Ind. 54,637
E. Cleveland, O.. 39,495
E. Hartford, Conn. 18,615
E. Liverpool, O.. 23,555
Easton, Pa. 33,589
East Orange, N. J. 68,945
E. Provid., R. I. 32,165
E. St. Louis, Ill.. 75,609
Eau Claire, Wis. 30,745
El Dorado, Ark... 15,858
Elgin, Ill..... 38,333
Elizabeth, N. J...109,912
Elkhart, Ind..... 33,434
Elmhurst, Ill.....15,458
Elmira, N. Y.... 45,106
El Paso, Tex..... 96,810
Elyria, Ohio..... 25,120
Endicott, N. Y.. 17,702
Englewood, N. J.. 18,966
Enid, Okla..... 28,081
Erie, Pa. 116,955
Euclid, Ohio..... 17,866
Eugene, Ore. 20,838
Eureka, Cal..... 17,055
Evanston, Ill..... 65,389
Evansville, Ind.... 97,062
Everett, Mass.... 46,784
Everett, Wash.... 30,224

Fairmont, W. Va. 23,105
Fall River, Mass. 115,428

Census 1940 - *Continued*

Fargo, N. D.... 32,580
Fayetteville, N. C. 17,428
Ferndale, Mich.. 22,523
Findlay, Ohio.... 20,228
Fitchburg, Mass.. 41,824
Flint, Mich.....151,543
Florence, Ala..... 15,043
Florence, S. C... 16,054
Fd. du Lac, Wis.. 27,209
Ft. Dodge, Ia... 22,904
Ft. Laud'le, Fla. 17,996
Fort Smith, Ark. 36,584
Ft. Wayne, Ind..118,410
Ft. Worth, Tex..177,662
Fram'ham, Mass. 23,214
Frederick, Md. .. 15,802
Freeport, Ill..... 22,366
Freeport, N. Y... 20,410
Fresno, Cal..... 60,685

Gadsden, Ala..... 36,975
Galesburg, Ill.... 28,876
Galveston, Tex... 60,862
Gardner, Mass... 20,206
Garfield, N. J.... 28,044
Garfield Hts., O.. 16,989
Gary, Ind.....111,719
Gastonia, N. C.. 21,313
Geneva, N. Y... 15,555
Glendale, Cal..... 82,582
Glens Falls, N.Y. 18,836
Gloucester, Mass. 24,046
Gloversville, N. Y. 23,329
Goldsboro, N. C. 17,274
Gd. Forks, N. D. 20,228
Gd. Island, Neb.. 19,130
G. R'pids, Mich..164,292
Granite City, Ill. 22,974
Great Falls, Mont. 29,928
Greeley, Colo.....15,995
Green Bay, Wis. 46,235
Greenfield, Mass. 15,672
Greensboro, N. C. 59,319
Greensburg, Pa. . 16,743
Greenville, Miss.. 20,892
Greenville, S. C. 34,734
Gulfport, Miss.... 15,195

Hackensack, N. J. 26,279
Hagerstown, Md.. 32,491
Hamilton, Ohio... 50,592
Hammond, Ind .. 70,184
Hamtra'ck, Mich. 49,839
Hannibal, Mo.... 20,865
Hanover, Pa. ... 16,439
Harrisburg, Pa... 83,893
Hartford, Conn...166,267
Harvey, Ill..... 17,878
Hastings, Neb.... 15,145
Hattiesburg, Miss. 21,026
Haverford, Pa.... 27,594
Haverhill, Mass.. 46,752
Hazleton, Pa. .. 38,009
Helena, Mont.... 15,056
Hempstead, N. Y. 20,856
Hibbing, Minn... 16,385
Highl'd Pk. Mich. 50,810
High Point, N.C. 38,495
Hillside, N. J... 18,556
Hoboken, N. J.. 50,115
Holyoke, Mass. .. 53,750
Homestead, Pa. . 19,041
Hornell, N. Y... 15,649
Hot Springs, Ark. 21,370

Houston, Tex. ..384,514
Hunt'ton, W. Va. 78,836
Hunting. Pk., Cal. 28,648
Hutchinson, Kan.. 30,013
Idaho Falls, Idaho 15,024
Indep'ndence, Mo. 16,066
Indian'olis, Ind..386,972
Inglewood, Cal.... 30,114
Iowa City, Ia... 17,182
Irondequoit, N.Y. 23,376
Ironton, Ohio..... 15,851
Irvington, N. J.. 55,328
Ithaca, N. Y.... 19,730

Jackson, Mich. .. 49,656
Jackson, Miss.... 62.107
Jackson, Tenn. .. 24,332
Jacksonville, Fla..173,065
Jacksonville, Ill.. 19,844
Jamestown, N. Y. 42,638
Janesville, Wis. . 22,992
Jeannette, Pa. .. 16,220
Jeff'rson City, Mo. 24,268
Jer. City, N. J..301,173
John. City, N. Y. 18,039
John. City, Tenn. 22,763
Johnstown, Pa. .. 66,668
Joliet, Ill..... 42,365
Joplin, Mo..... 37,144

Kalamazoo, Mich. 54,097
Kankakee, Ill.... 22,241
Kan. City, Kan..121,458
Kan. City, Mo...399,178
Kearny, N. J.... 39,467
Kenmore, N. Y... 18,612
Kenosha, Wis. .. 48,765
Keokuk, Ia..... 15,076
Kewanee, Ill..... 16,901
Kingston, N. Y... 28,589
Kingston, Pa. .. 20,679
Kinston, N. C... 15,388
Kl'ath Falls, Ore. 16,497
Knoxville, Tenn..111,580
Kokomo, Ind..... 33,795

Lackawanna, N.Y. 24,058
La Crosse, Wis.. 42,707
Lafayette, Ind... 28,798
Lafayette, La.... 19,210
La Grange, Ga... 21,983
Lake Charles, La. 21,207
Lakeland, Fla.....22,068
Lakewood, Ohio... 69,160
Lancaster, Ohio... 21,940
Lancaster, Pa. .. 61,345
Lansing, Mich. .. 78,753
La Porte, Ind.... 16,180
Laredo, Tex. ... 39,274
Laurel, Miss.....20,598
Lawrence, Mass.. 84,323
Lawton, Okla. .. 18,055
Leavenworth, Kan. 19,220
Lebanon, Pa. .. 27,206
Leominster, Mass. 22,226
Lewiston, Me. ... 38,598
Lexington, Ky... 49,304
Lima, Ohio..... 44,711
Lincoln, Neb..... 81,984
Lincoln Pk., Mich. 15,236
Linden, N. J.... 24,115
Little Rock, Ark. 88,039
Lockport, N. Y.. 24,379

Logansport, Ind.. 20,177
Long Beach, Cal..164,271
Long Branch, N.J. 17,408
Lorain, Ohio..... 44,125
Los Ang'les, Cal.1,504,277
Louisville, Ky....319,077
Lowell, Mass. ...101,389
Lower Merion, Pa. 39,566
Lubbock, Tex. .. 31,853
Lynchburg, Va... 44,541
Lyndhurst, N. J. 17,454
Lynn, Mass..... 98,123

Macon, Ga..... 57,865
Madison, Wis. .. 67,447
Malden, Mass.... 58,010
Manchester, N. H. 77,685
Manitowoc, Wis.. 24,404
Mankato, Minn... 15,654
Mansfield, Ohio... 37,154
Maplewood, N. J. 23,139
Marion, Ind..... 26,767
Marion, Ohio..... 30,817
Marshall, Tex. .. 18,410
Marshalltown, Ia. 19,240
Mart'sb'g, W. Va. 15,063
Mason City, Ia... 27,080
Massillon, Ohio... 26,644
Mattoon, Ill..... 15,827
Maywood, Ill..... 26,648
McKeesport, Pa.. 55,355
McKees Rocks, Pa. 17,021
Meadville, Pa. . 18,919
Medford, Mass... 63,083
Melrose, Mass.... 25,333
Memphis, Tenn...292,942
Meriden, Conn.... 39,494
Meridian, Miss... 35,481
Methuen, Mass... 21,880
Miami, Fla.....172,172
Miami Bch., Fla. 28,012
Mich. City, Ind.. 26,476
Middletown, Conn. 26,495
Middletown, N. Y. 21,908
Middletown, Ohio 31,220
Milford, Mass.... 15,388
Milton, Mass..... 18,708
Milwaukee, Wis..587,472
Min'polis, Minn. 492,370
Minot, N. D..... 16,577
Mishawaka, Ind... 28,298
Missoula, Mont. . 18,449
Mobile, Ala..... 78,720
Modesto, Cal..... 16,379
Moline, Ill..... 34,608
Monessen, Pa. .. 20,257
Monroe, La..... 28,309
Monroe, Mich.... 18,478
Montclair, N. J.. 39,807
Montgomery, Ala. 78,084
Morg't'n, W. Va. 16,655
Morristown, N. J. 15,270
Mt. Carmel, Pa. 17,780
Marlb'ugh, Mass. 15,154
Marquette, Mich. 15,928
Mt. Lebanon, Pa. 19,571
Mt. Vernon, N.Y. 67,362
Muncie, Ind..... 49,720
Muscatine, Ia.... 18,286
Muskegon, Mich.. 47,697
M'k'n Hts., Mich. 16,047
Muskogee, Okla.. 32,332

Nanticoke, Pa. .. 24,387

Census 1940 - *Continued*

Nashua, N. H... 32,927
Nashville, Tenn..167,402
Natchez, Miss.... 15,296
Naugatuck, Conn.. 15,388
New Albany, Ind. 25,414
Newark, N. J....429,760
Newark, Ohio..... 31,487
N. Bedf'd, Mass. 110,341
N. Britain, Conn. 68,685
N. Brunsw'k, N.J. 33,180
Newburgh, N. Y. 31,883
New Castle, Ind. 16,620
New Castle, Pa. 47,638
N. Haven, Conn..160,605
N. Kens'ton, Pa. 24,055
N. London, Conn. 30,456
New Orleans, La. 494,537
Newport, Ky..... 30,631
Newport, R. I... 30,532
Newport News, Va. 37,067
N. Rochelle, N.Y. 58,408
Newton, Mass.... 69,873
New York, N. Y. 7,454,995
Niag. Falls, N.Y. 78,029
Niles, Ohio..... 16,273
Norfolk, Va. ...144,332
Norristown, Pa. . 38,181
No. Adams, Mass. 22,213
North'pton, Mass. 24,794
No. Bergen, N. J. 39,714
No. Braddock, Pa. 15,679
No. Lit. Rock, Ark. 21,137
No. To'w'da, N.Y. 20,254
Norwalk, Conn.... 39,849
Norwich, Conn.... 23,652
Norwood, Mass... 15,383
Norwood, Ohio... 34,010
Nutley, N. J..... 21,954

Oakland, Cal.....302,163
Oak Park, Ill..... 66,015
Ogden, Utah ... 43,688
Ogdensburg, N. Y. 16,346
Oil City, Pa..... 20,379
Okla. City, Okla..204,424
Okmulgee, Okla. . 16,051
Olean, N. Y..... 21,506
Omaha, Neb.....223,844
Orange, N. J..... 35,717
Orlando, Fla..... 36,736
Oshkosh, Wis. .. 39,089
Ossining, N. Y... 15,996
Oswego, N. Y... 22,062
Ottawa, Ill..... 16,005
Ottumwa, Ia..... 31,570
Owensboro, Ky....30,245

Paducah, Ky..... 33,765
Palo Alto, Cal... 16,774
Paris, Tex..... 18,678
Park'sb'g, W. Va. 30,103
Parma, Ohio..... 16,365
Pasadena, Cal.... 81,864
Passaic, N. J... 61,394
Paterson, N. J...139,656
Pawtucket, R. I. 75,797
Peabody, Mass... 21,711
Peekskill, N. Y. 17,311
Pekin, Ill..... 19,407
Pennsauken, N. J. 17,745
Pensacola, Fla.....37,449
Peoria, Ill.....105,087
Perth Amboy, N.J. 41,242
Petersburg, Va. . 30,631

Phenix City, Ala. 15,351
Phila., Pa. ...1,931,334
Phillipsburg, N. J. 18,314
Phoenix, Ariz..... 65,414
Pine Bluff, Ark.. 21,290
Piqua, Ohio..... 16,049
Pittsburg, Kan... 17,571
Pittsburgh, Pa...671,659
Pittsfield, Mass. . 49,684
Pittston, Pa. ... 17,828
Plainfield, N. J. .37,469
Plains, Pa. 15,621
Plattsburgh, N. Y. 16,351
Plymouth, Pa. .. 15,507
Pocatello, Idaho.. 18,133
Pomona, Cal..... 23,539
Ponca City, Okla. 16,794
Pontiac, Mich.... 66,626
Pt. Arthur, Tex.. 46,140
Pt. Chester, N. Y. 23,073
Pt. Huron, Mich. 32,759
Portland, Me..... 73,643
Portland, Ore.....305,394
Portsmouth, Ohio. 40,466
Portsmouth, Va.. 50,745
Pottstown, Pa... 20,194
Pottsville, Pa. .. 24,530
P'ghkeepsie, N.Y. 40,478
Providence, R. I..253,504
Provo, Utah 18,071
Pueblo, Cal..... 52,162

Quincy, Ill..... 40,469
Quincy, Mass.... 75,810

Racine, Wis. ... 67,195
Rahway, N. J..... 17,498
Raleigh, N. C... 46,897
Reading, Pa. ...110,568
Reno, Nev..... 21,317
Revere, Mass..... 34,405
Richmond, Cal.... 23,642
Richmond, Ind... 35,147
Richmond, Va. ..193,042
Riv. R'uge, Mich. 17,008
Riverside, Cal.... 34,696
Roanoke, Va. .. 69,287
Rochester, Minn.. 26,312
Rochester, N. Y..324,975
Rockford, Ill..... 84,637
Rock Hill, S. C. 15,009
Rock Island, Ill.. 42,775
Rock. Centre, N.Y. 18,613
Rocky Mt., N. C.. 25,568
Rome, Ga..... 26,282
Rome, N. Y..... 34,214
Royal Oak, Mich. 25,087
Rutherford, N. J. 15,466
Rutland, Vt. ... 17,082

Sacramento, Cal..105,958
Saginaw, Mich... 82,794
St. Cloud, Minn. 24,173
St. Joseph, Mo.. 75,711
St. Louis, Mo....816,048
St. Paul, Minn..287,736
St. Petersb'g, Fla. 60,812
Salem, Mass..... 41,213
Salem, Ore. 30,908
Salina, Kan..... 21,073
Salisbury, N. C.. 19,037
S. Lake C., Utah.149,934
San Angelo, Tex. 25,802

S. Antonio, Tex..253,854
San Bern., Cal.. 43,646
San Diego, Cal..203,341
Sandusky, Ohio... 24,874
San Fran., Cal..634,536
San Jose, Cal.... 68,457
San Mateo, Cal.. 19,403
Santa Ana, Cal. 31,921
Santa Bar., Cal.. 34,958
Santa Cruz, Cal.. 16,896
Santa Fe, N. M. 20,325
Santa Monica, Cal. 53,500
S. Ste. Mar., Mich. 15,847
Savannah, Ga.... 95,996
Schenectady, N.Y. 87,549
Scranton, Pa. ..140,404
Seattle, Wash....368,302
Sedalia, Mo..... 20,428
Selma, Ala..... 19,834
Shaker Hts., O.. 23,393
Shamokin, Pa. .. 18,810
Sharon, Pa. 25,622
Shawnee, Okla... 22,053
Sheboygan, Wis.. 40,638
Shenandoah, Pa. 19,790
Sherman, Tex. .. 17,156
Shorewood, Wis.. 15,184
Shreveport, La... 98.167
Sioux City, Ia....82 364
Sioux Falls, S. D. 40,832
Somerv'le, Mass..102,177
So. Bend, Ind...101,268
Southb'dge, Mass. 16,825
South Gate, Cal. 26,945
So. Portland, Me. 15,781
Spart'burg, S. C. 32,249
Spokane, Wash...122,001
Springfield, Ill.... 75,503
Spr'gfield, Mass..149,554
Springfield, Mo... 61,238
Springfield, Ohio.. 70,662
Stamford, Conn.. 47,938
Staunton, Va. .. 15,337
Steubenville, Ohio 37,651
Stevens Pt., Wis.. 15,777
Stockton, Cal..... 54,714
Stratford, Conn... 22,580
Summit, N. J... 16,165
Sumter, S. C. .. 15,874
Sunbury, Pa. ... 15,462
Superior, Wis. .. 35,136
Swissvale, Pa. .. 15,919
Syracuse, N. Y..205,967

Tacoma, Wash...109,408
Tallahassee, Fla.. 16,240
Tampa, Fla.....108,391
Taunton, Mass... 37,395
Teaneck, N. J... 25,275
Temple, Tex. ... 15,344
Terre Haute, Ind.. 62,693
Texarkana, Tex.. 17,019
Tiffin, Ohio..... 16,102
Toledo, Ohio.....282,349
Topeka, Kan..... 67,833
Torrington, Conn.. 26,988
Trenton, N. J...124,697
Troy, N. Y..... 70,304
Tucson, Ariz..... 36,818
Tulsa, Okla. 142,157
Tuscaloosa, Ala... 27,493
Tyler, Tex. 28,279

Union, N. J..... 24,730

Census 1940 - *Continued*

Union City, N. J.	56,173
Uniontown, Pa...	21,819
Univ'ity City, Mo.	33,023
Upper Darby, Pa.	56,883
Utica, N. Y.....	100,518
Valdosta, Ga.....	15,595
Vallejo, Cal.....	20,072
Val. Stream, N.Y.	16,679
Vanco'ver, Wash.	18,788
Vicksburg, Miss..	24,460
Vincennes, Ind...	18,228
Waco, Tex.	55,982
Wakefield, Mass..	16,223
W. Walla, Wash.	18,109
Waltham, Mass..	40,020
Warren, Ohio.....	42,837
Warwick, R. I...	28,757
Washington, D. C.	663,091
Washington, Pa..	26,166
Waterbury, Conn..	99,314
Waterloo, Ia.....	51,743
Watertown, Mass.	35,427
Watertown, N. Y.	33,385
Waterville, Me...	16,688
Watervliet, N. Y.	16,114
Waukegan, Ill....	34,241
Waukesha, Wis. .	19,242
Wausau, Wis. ..	27,268
Wauwatosa, Wis.	27,769
Waycross, Ga.....	16,763
Webster G'ves, Mo.	18,394
Wellesley, Mass..	15,127
West Allis, Wis.	36,364
Westfield, N. J...	18,458
Westfield, Mass..	18,793
W. Hartford, Conn.	33,776
W. Haven, Conn.	30,021
West N. Y., N. J.	39,439
W. Orange, N. J.	25,662
W. Palm B., Fla.	33,693
W. Sp'gfi'd, Mass.	17,135
W. Warwick, R.I.	18,188
Weymouth, Mass.	23,868
Wheeling, W. Va.	61,099
W'te Plains, N.Y.	40,327
Whittier, Cal.....	16,115
Wichita, Kan....	114,966
Wich. Falls, Tex.	45,112
Wilkes-Barre, Pa.	86,236
Wilkinsburg, Pa..	29,853
Williamsport, Pa.	44,355
Wilmette, Ill.....	17,226
Wilmington, Del..	112,504
Wilmington, N. C.	33,407
Wilson, N. C....	19,234
Winchester, Mass.	15,081
Winona, Minn...	22,490
Win.-Salem, N.C.	79,815
Winthrop, Mass..	16,768
Woburn, Mass...	19,751
Woodbridge, N. J.	27,191
Woonsocket, R. I.	49,303
Worcester, Mass..	193,694
Wyandotte, Mich.	30,618
Yakima, Wash. .	27,221
Yonkers, N. Y...	142,598
York, Pa.	56,712
Youngstown, Ohio.	167,720
Zanesville, Ohio..	37,500

POPULATION BY STATES

	1940	1930	Increase%
Alabama	2,832,961	2,646,248	7.1
Arizona	499,261	435,573	14.6
Arkansas	1,949,387	1,854,482	5.1
California	6,907,387	5,677,251	21.7
Colorado	1,123,296	1,035,791	8.4
Connecticut	1,709,242	1,606,903	6.4
Delaware	266,505	238,380	11.8
Dist. of Columbia	663,091	486,869	36.2
Florida	1,897,414	1,468,211	29.2
Georgia	3,123,723	2,908,506	7.4
Idaho	524,873	445,032	17.9
Illinois	7,897,241	7,630,654	3.5
Indiana	3,427,796	3,238,503	5.8
Iowa	2,538,268	2,470,939	2.7
Kansas	1,801,028	1,880,999	*4.3
Kentucky	2,845,627	2,614,589	8.8
Louisiana	2,363,880	2,101,593	12.5
Maine	847,226	797,423	6.2
Maryland	1,821,244	1,631,526	11.6
Massachusetts	4,316,721	4,249,614	1.6
Michigan	5,256,106	4,842,325	8.5
Minnesota	2,792,300	2,563,953	8.9
Mississippi	2,183,796	2,009,821	8.7
Missouri	3,784,664	3,629,367	4.3
Montana	559,456	537,606	4.1
Nebraska	1,315,834	1,377,963	*4.5
Nevada	110,247	91,058	21.1
New Hampshire	491,524	465,293	5.6
New Jersey	4,160,165	4,041,334	2.9
New Mexico	531,818	423,317	25.6
New York	13,479,142	12,588,066	7.1
North Carolina	3,571,623	3,170,276	12.7
North Dakota	641,935	680,845	*5.7
Ohio	6,907,612	6,646,697	3.9
Oklahoma	2,336,434	2,396,040	*2.5
Oregon	1,089,684	953,786	14.2
Pennsylvania	9,900,180	9,631,350	2.8
Rhode Island	713,346	687,497	3.8
South Carolina	1,899,804	1,738,765	9.3
South Dakota	642,961	692,849	*7.2
Tennessee	2,915,841	2,616,556	11.4
Texas	6,414,824	5,824,715	10.1
Utah	550,310	507,847	8.4
Vermont	359,231	359,611	*0.1
Virginia	2,677,773	2,421,851	10.6
Washington	1,736,191	1,563,396	11.1
West Virginia	1,901,974	1,729,205	10.0
Wisconsin	3,137,587	2,939,006	6.8
Wyoming	250,742	225,565	11.2

* Denotes decrease.

	1940	1930
Alaska	72,524	59,278
American Samoa	12,908	10,055
Guam	22,290	18,509
Hawaii	423,330	368,336
Panama Canal Zone	51,827	39,467
Puerto Rico	1,869,255	1,543,913
Virgin Islands	24,889	22,012
Military, Naval, etc., abroad	118,933	89,453
Philippine Islands	16,356,000	13,513,000
Territories and Possessions	18,951,956	15,664,023
Continental United States	131,669,275	122,775,046
Total United States	150,621,231	138,439,069

August 14, 1944

Texas Agr. Substation No. 4
Beaumont, Texas

Dr. B. B. Bayles
Cereal Crops and Diseases
Plant Industry Station
Beltsville, Maryland

Dear Dr. Bayles:

Enclosed herewith find copy of manuscript which Mr. A. B. Conner mailed to me recently together with the comments of Dr. S. H. Yarnell. The sentence on page 4 which Dr. Yarnell suggests might be revised to give a clearer meaning might be stated as follows: " All tetraploid-like sectors were found to contain tetraploid cells and a number of tetraploid plants were isolated from these aberrant sectors though vegetative propagation of the tetraploid-like shoots. Tetraploid plants were also produced from seeds set on these shoots. "

Very sincerely yours,

H. M. Beachell
Associate Agronomist

Encl-

Vous allonsdy jouer,

Ydrual Jet 1bW

Texas Ag. Experiment Station No. 4

1944 — *Calendar* — 1944

JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29				

MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

APRIL

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

MAY

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JUNE

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

JULY

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

AUGUST

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

SEPTEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Knickerbocker Leather & Novelty Co., Inc., N.Y.